Skinning uPortal 3

Jasig Spring Conference

March 1-4, 2009 | Dallas, Texas

Gary Thompson

User Experience Leader

UNICON

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1. Context
2. Tour
3. Theme & Skin
4. Technical Architecture
5. User Experience
6. Development
7. uPortal 3.1
8. Work Session

Context

Summary overview of the portal platform.

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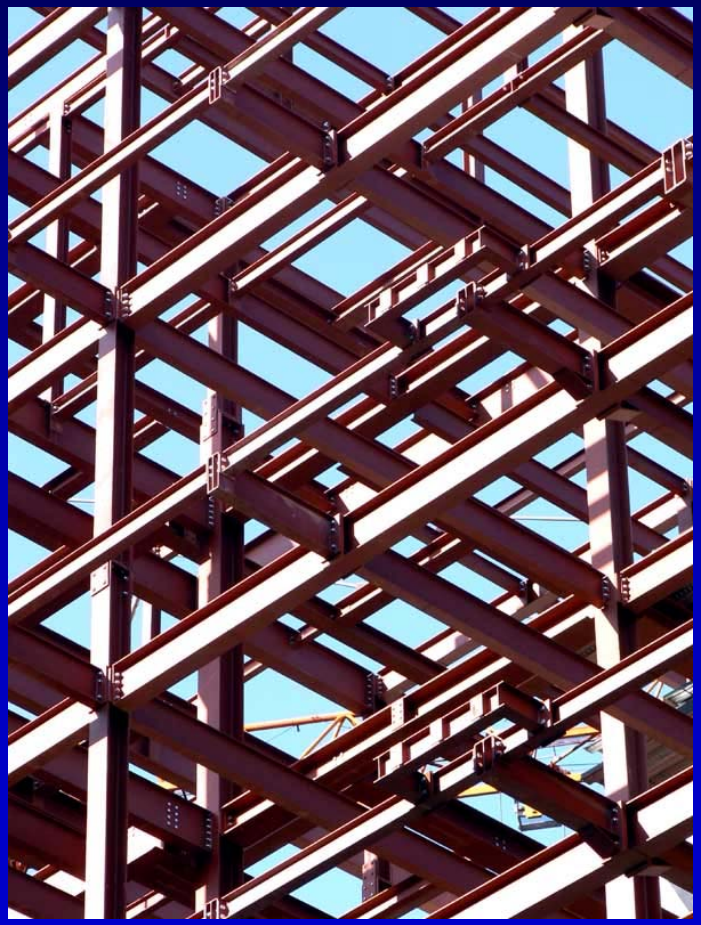

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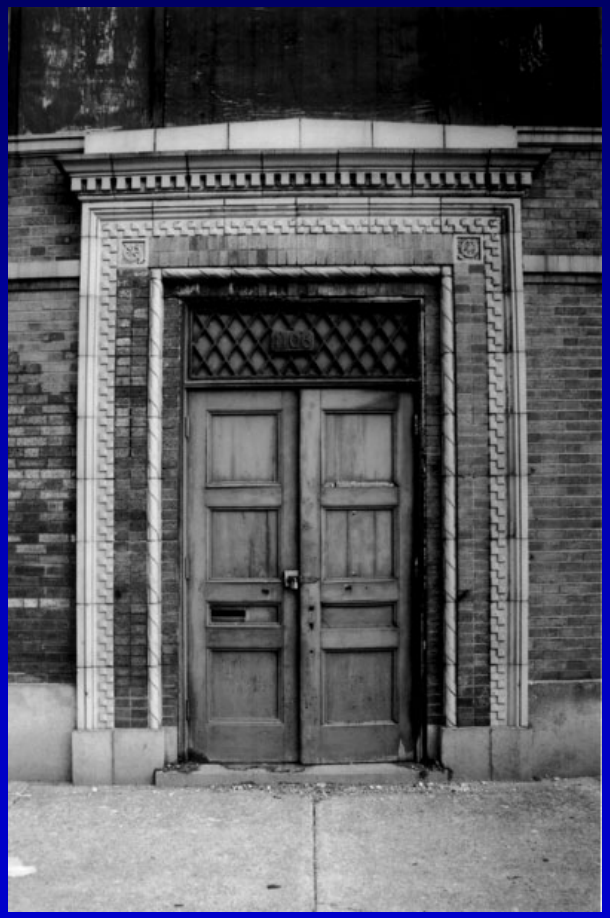

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THIRD STREET
PICNIC CT.
FOSSIL CT.
SUNSHINE DR.
FIREFLY DR.
LOVERS PATH DR.
MOONLIGHT DR.
CREEK
SPRINGTOWN PARK

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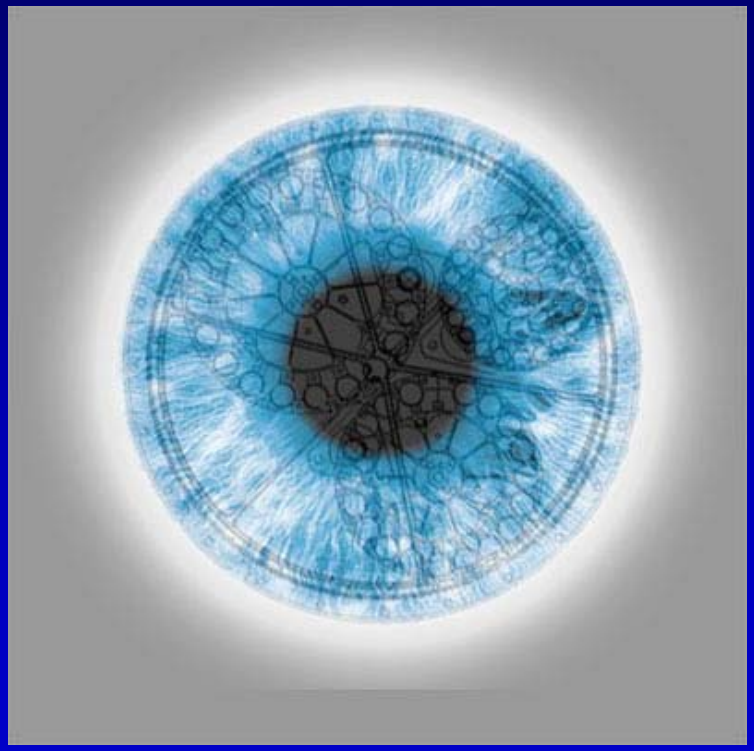


uPortal

“Free as in Freedom”

uPortal

uPortal

2001 20

uPortal

600

uPortal

Portlets

JAIPUR HOTEL
JAIPUR
HOTEL ROYAL DANIELI
VENEZIA
VICTORIA
CAIRO
GENOVA

2

Tour

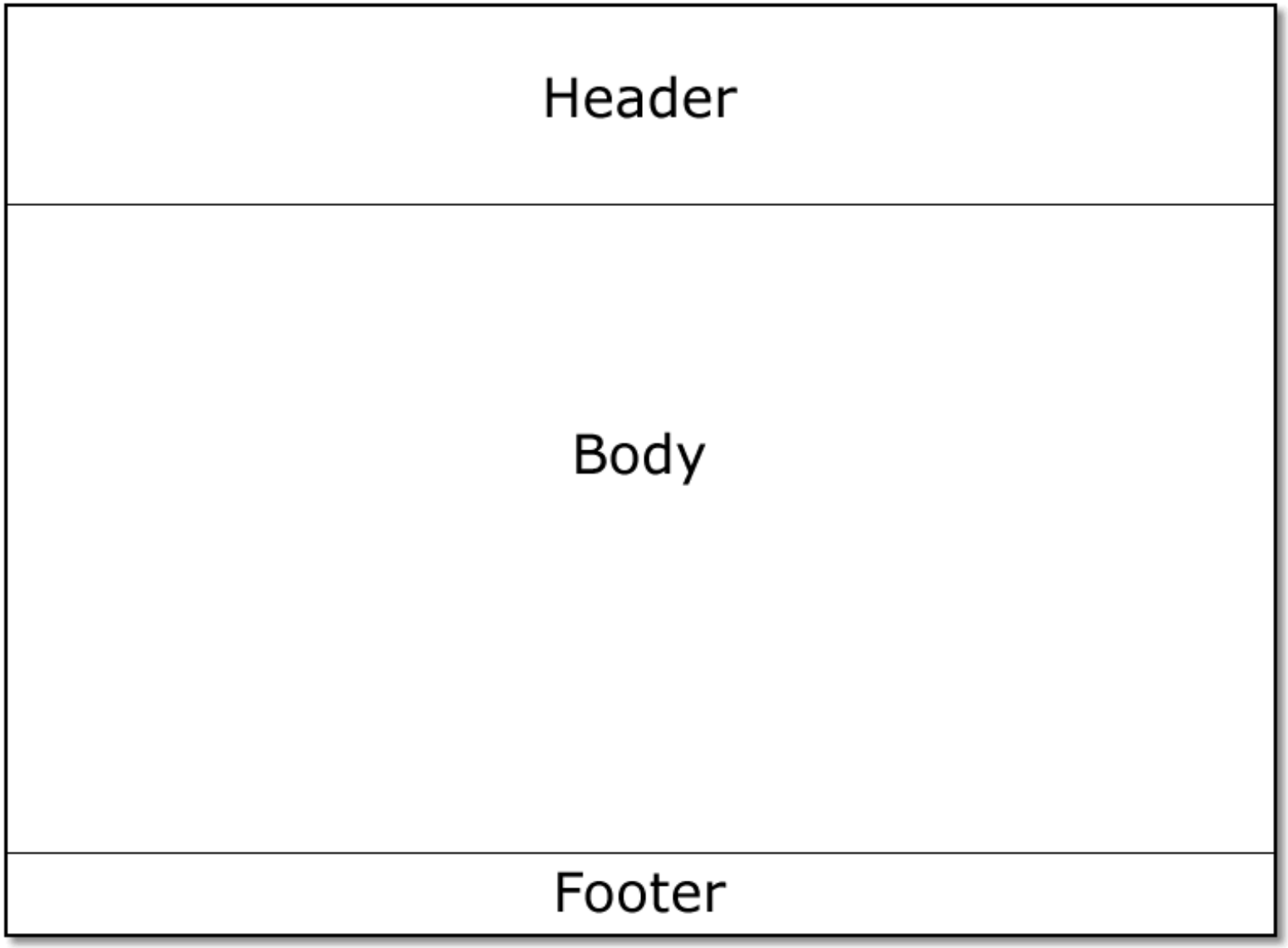
Demo of the uPortal experience, interface, and features.

0
I
II
III

3

Theme & Skin

Introduction to uPortal's concept of themes and skins, where the lines are drawn, and how they interact.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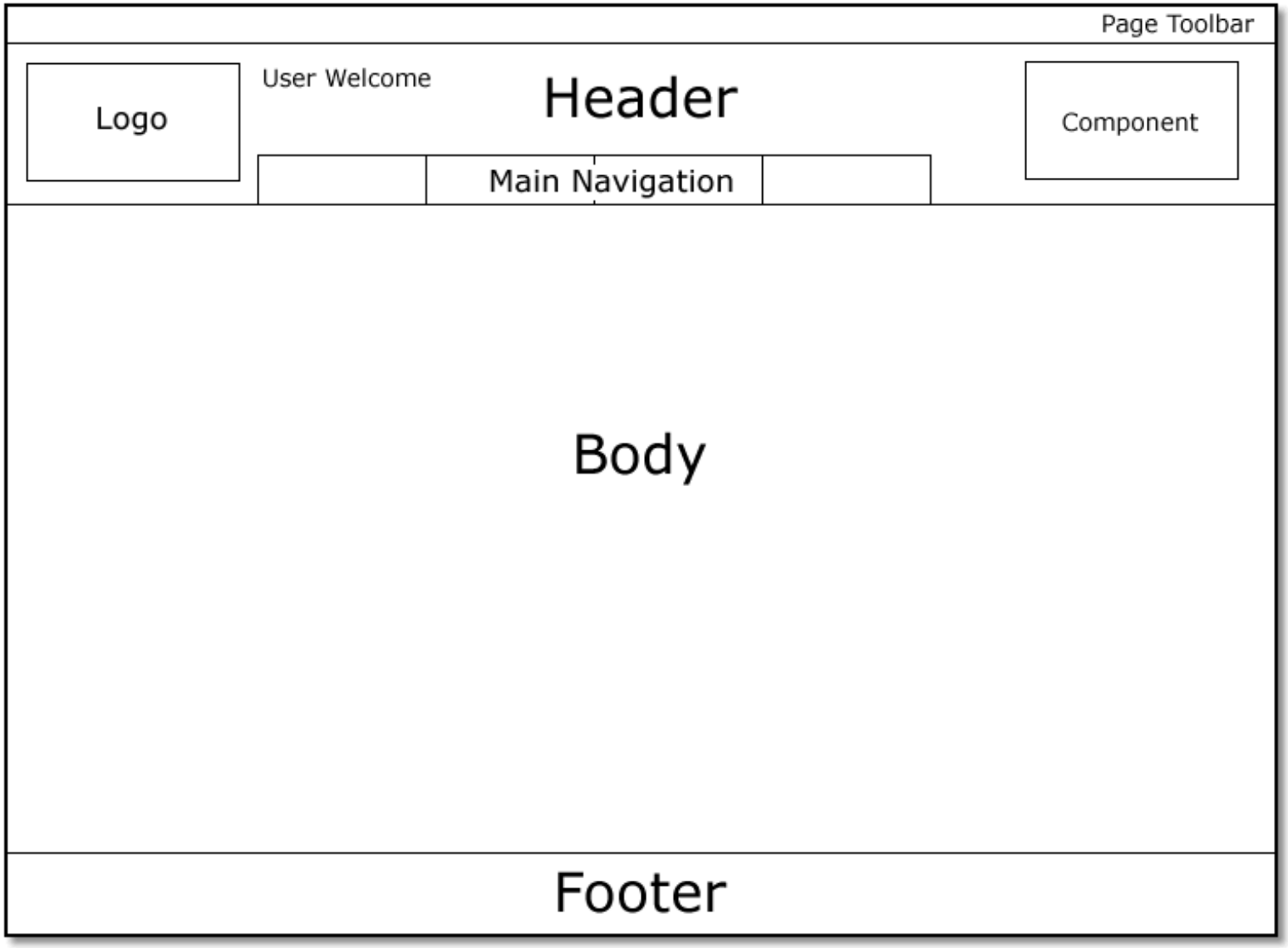
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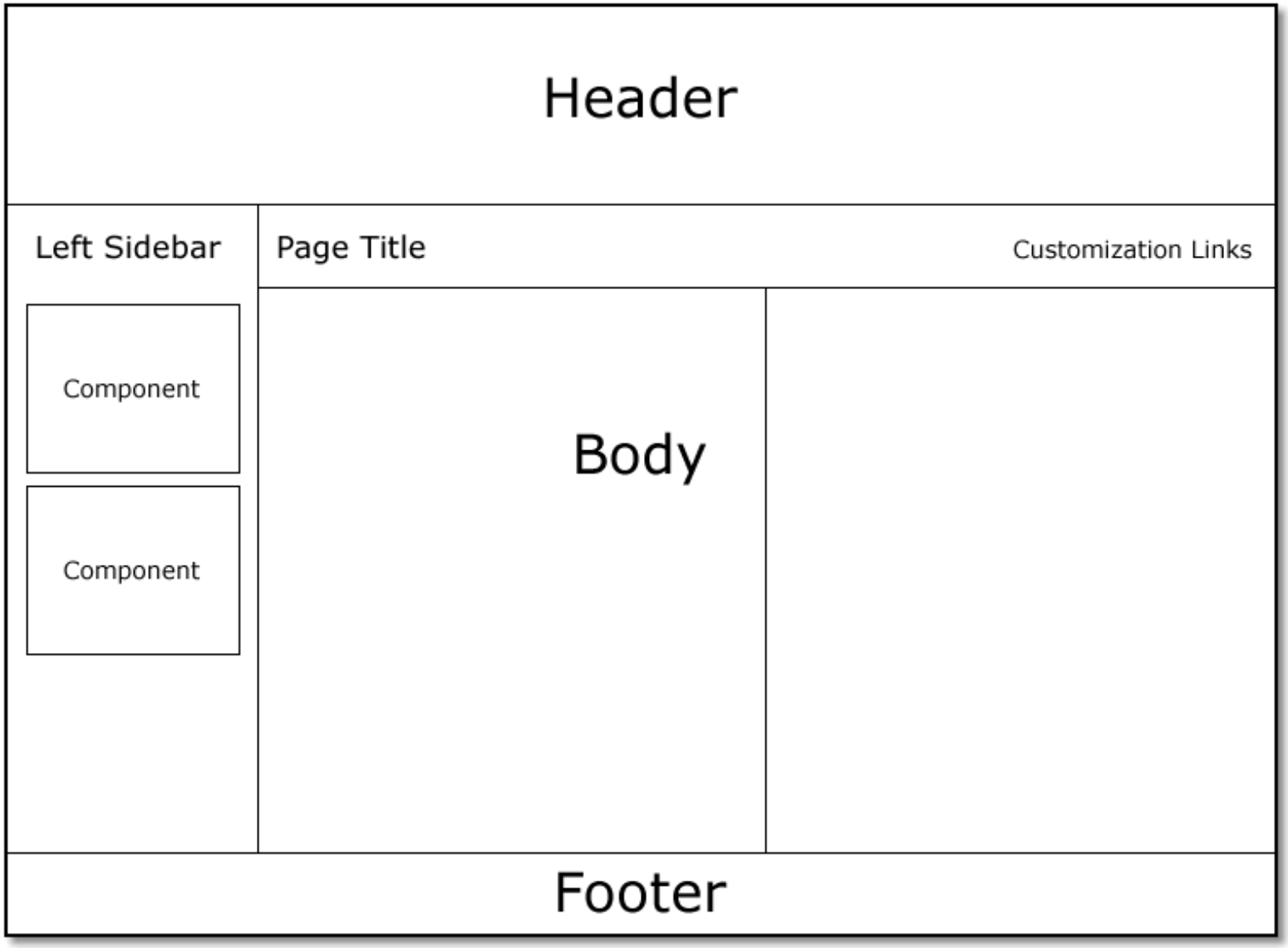
Footer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Customization Links
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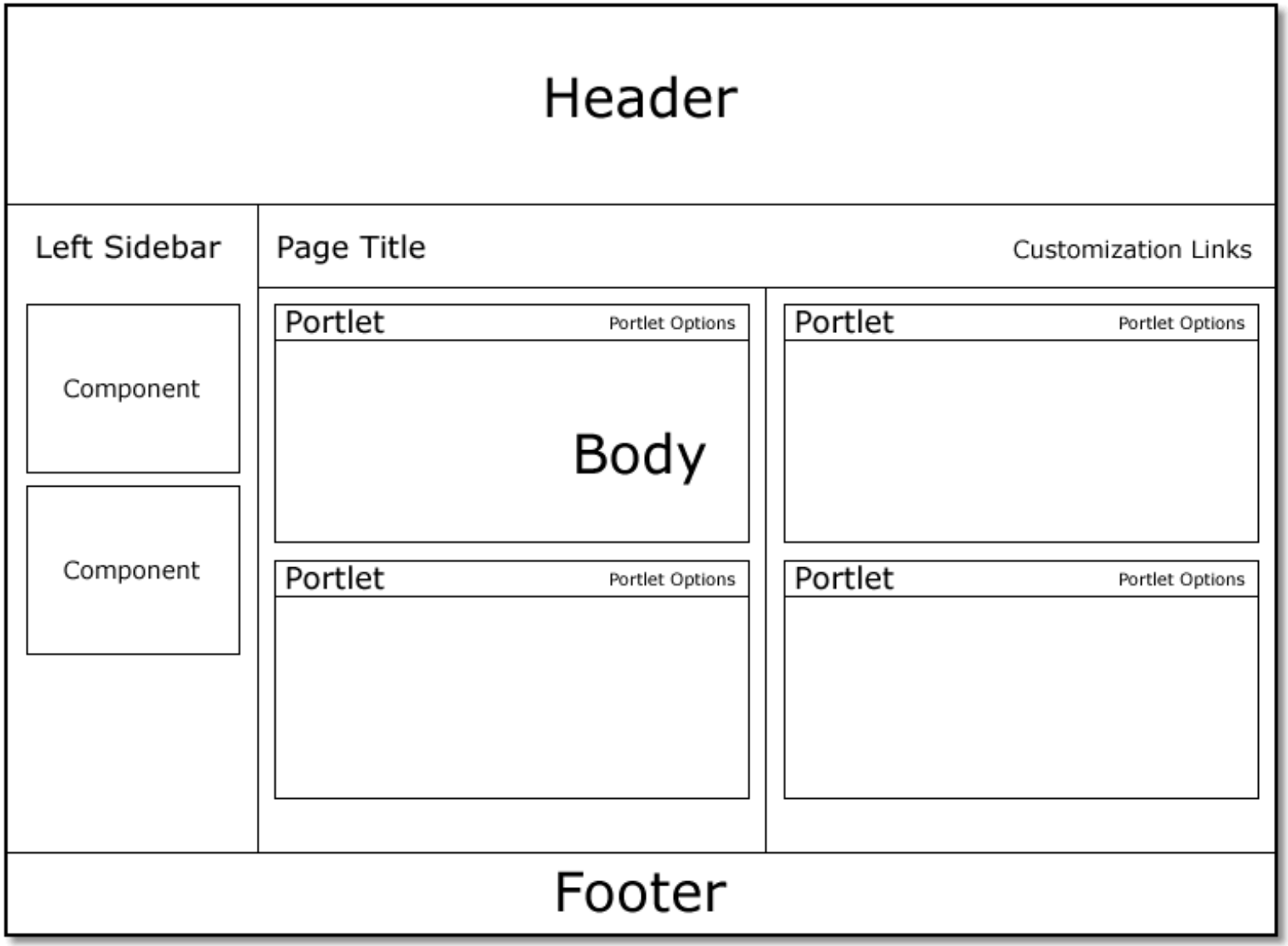
Footer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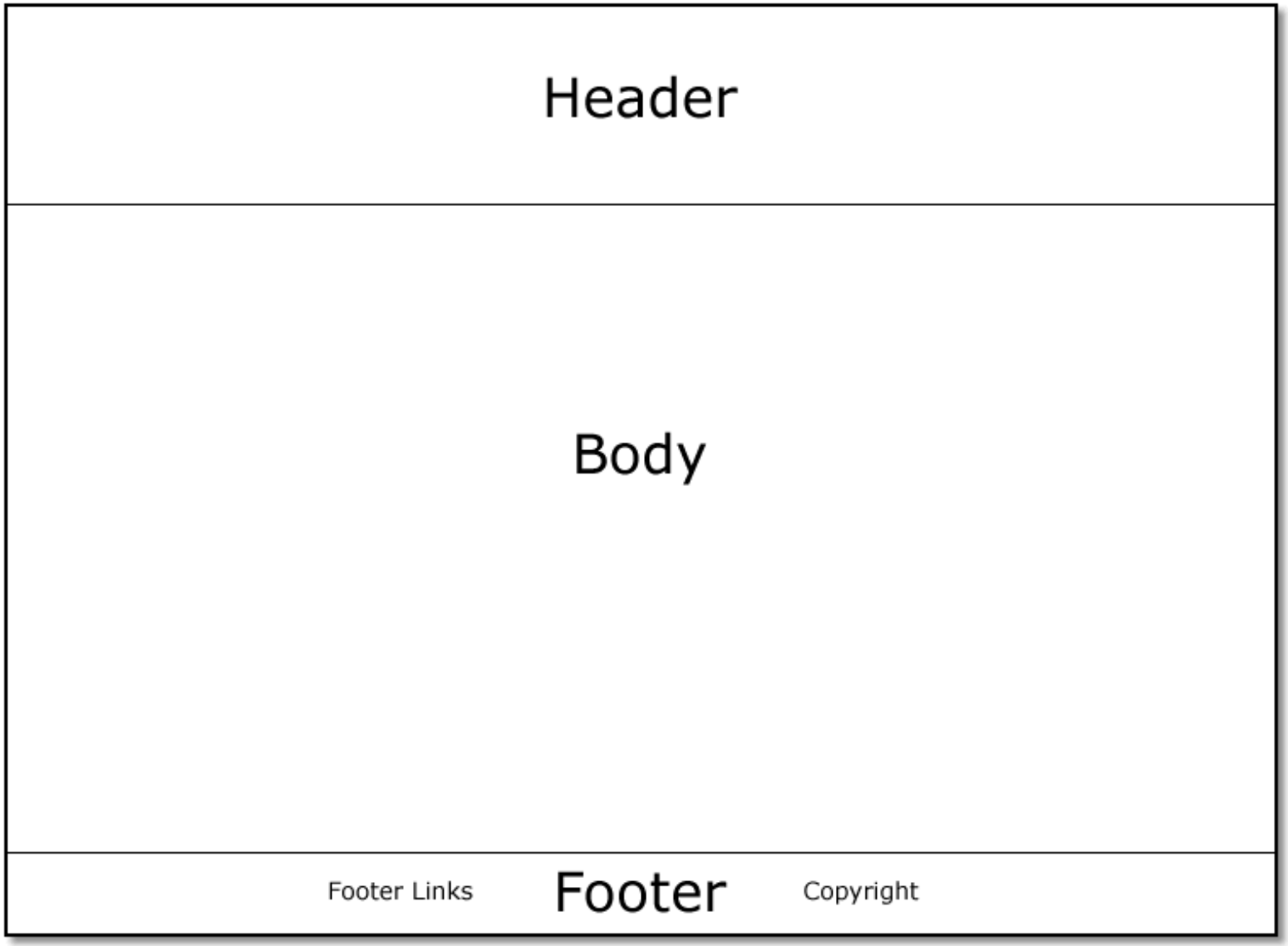
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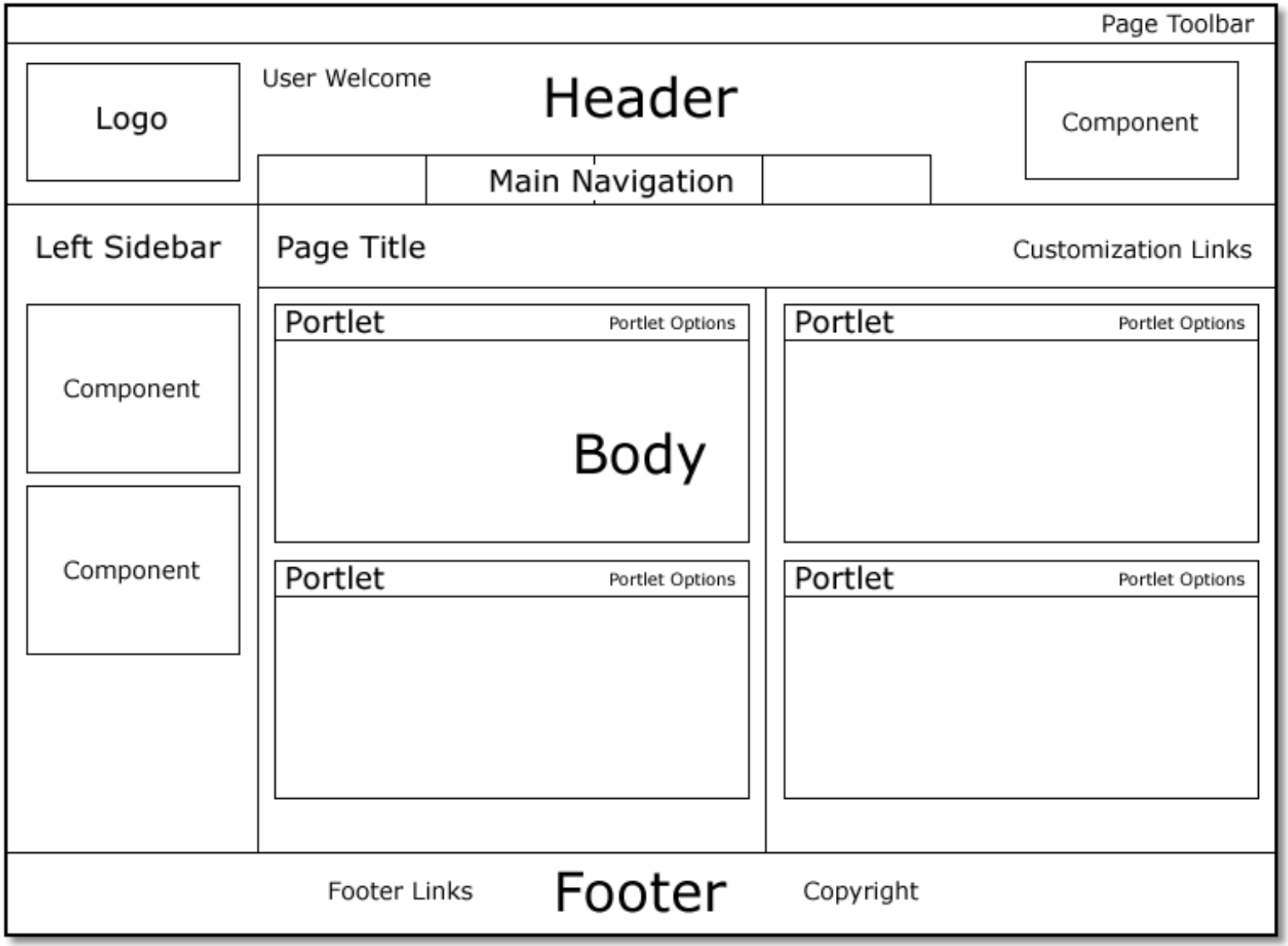
Footer Links
Footer
Copyright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Portlet Options
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Portlet Options
Footer Links
Footer
Copyright

Home | Customize | Site Map | Help |

uportal

Welcome Student User. Sign out

Welcome | News | Entertainment | Main Student Tab

Web Search

Google

Search

Quicklinks

Bookmarks Portlet

Welcome

Customize My Portal | Add Content | Page Layout | Select Skin | Add tab

Welcome

Lorem Ipsum 1 | Lorem Ipsum 2 | Lorem Ipsum 3

Lorem Ipsum 1

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Google Search

Search

powered by Google™

Bookmarks Portlet

Options Options

You have no bookmarks. Add folders and bookmarks to this portlet to keep useful links handy.

Add Bookmark **Add Folder**

Calendar

February 2009

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
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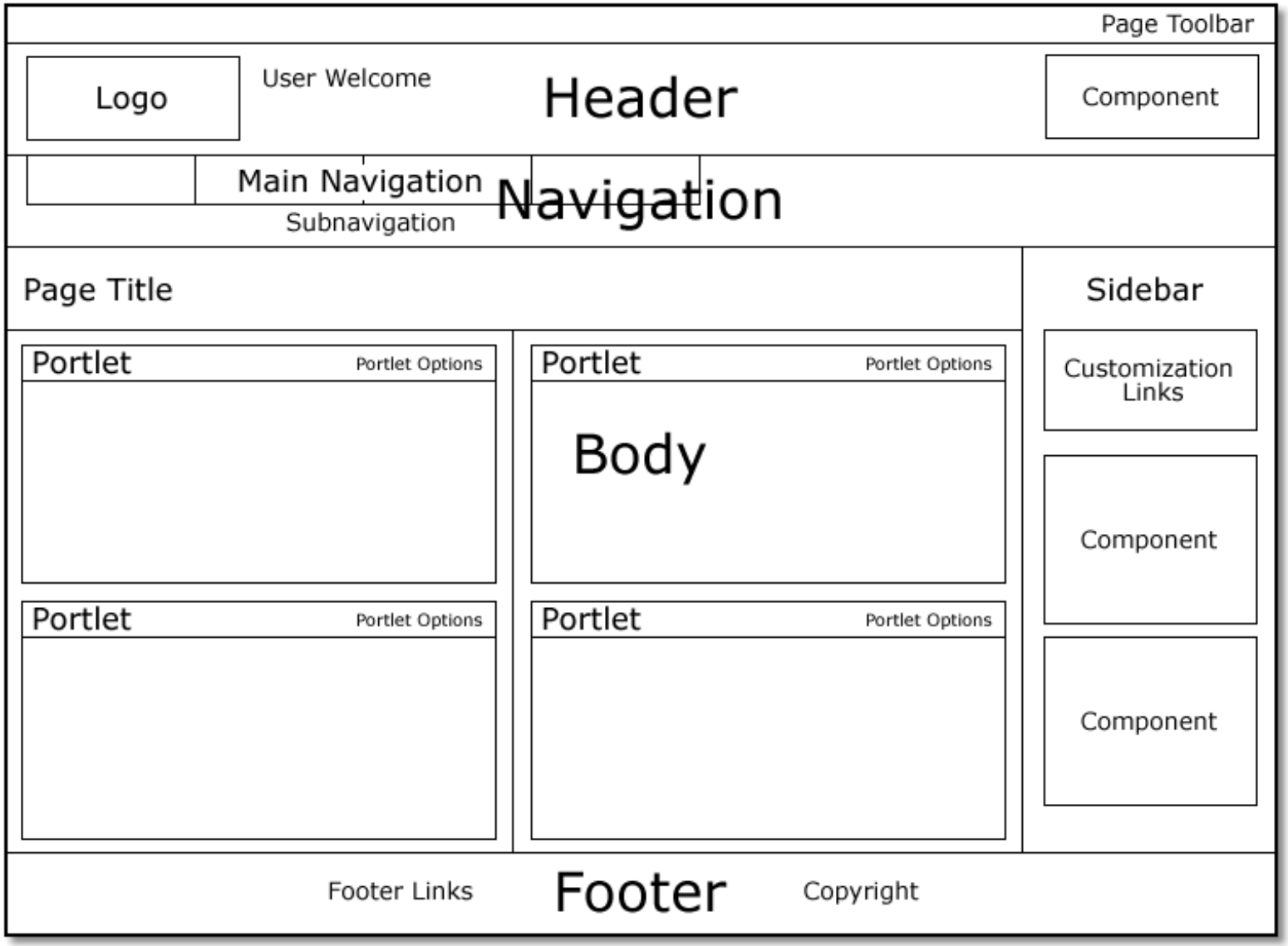
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Portlet Options
Component
Footer Links
Footer
Copyright

Home | Site Map | Help | Sign Out

uPortal

Welcome Admin User. Sign out

Google Search

Welcome | Admin Tools | Development | Testing

Welcome | Google Search | Bookmarks | Calendar | My Weather

Welcome

Welcome

Maximize

Lorem Ipsum 1 | Lorem Ipsum 2 | Lorem Ipsum 3

Lorem Ipsum 1

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Bookmarks Portlet

Maximize Remove

You have no bookmarks. Add folders and bookmarks to this portlet to keep useful links handy. Options

Add Bookmark Add Folder

Calendar

Maximize Remove

February 2009

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Customize My Portal

- Add Content
- Page Layout
- Select Skin
- Add tab

Administration

- Portlet Manager
- Customize

Fragment Administration

-- fragments -- Go

Quicklinks

- Bookmarks Portlet

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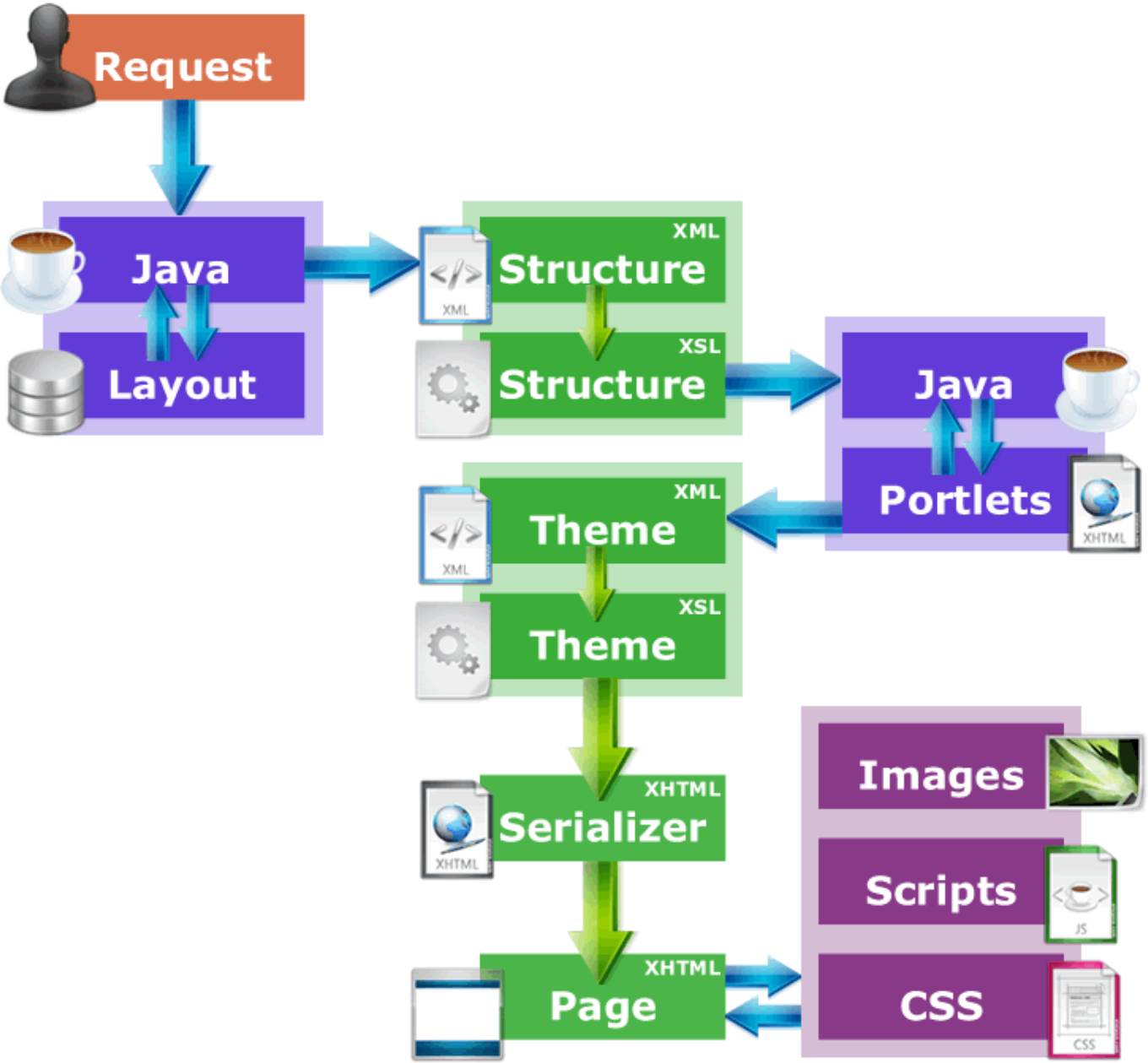
Silk icon set 1.3 courtesy of Mark James.

4

Architecture

Overview of the technology and rendering process for uPortal theme and skins.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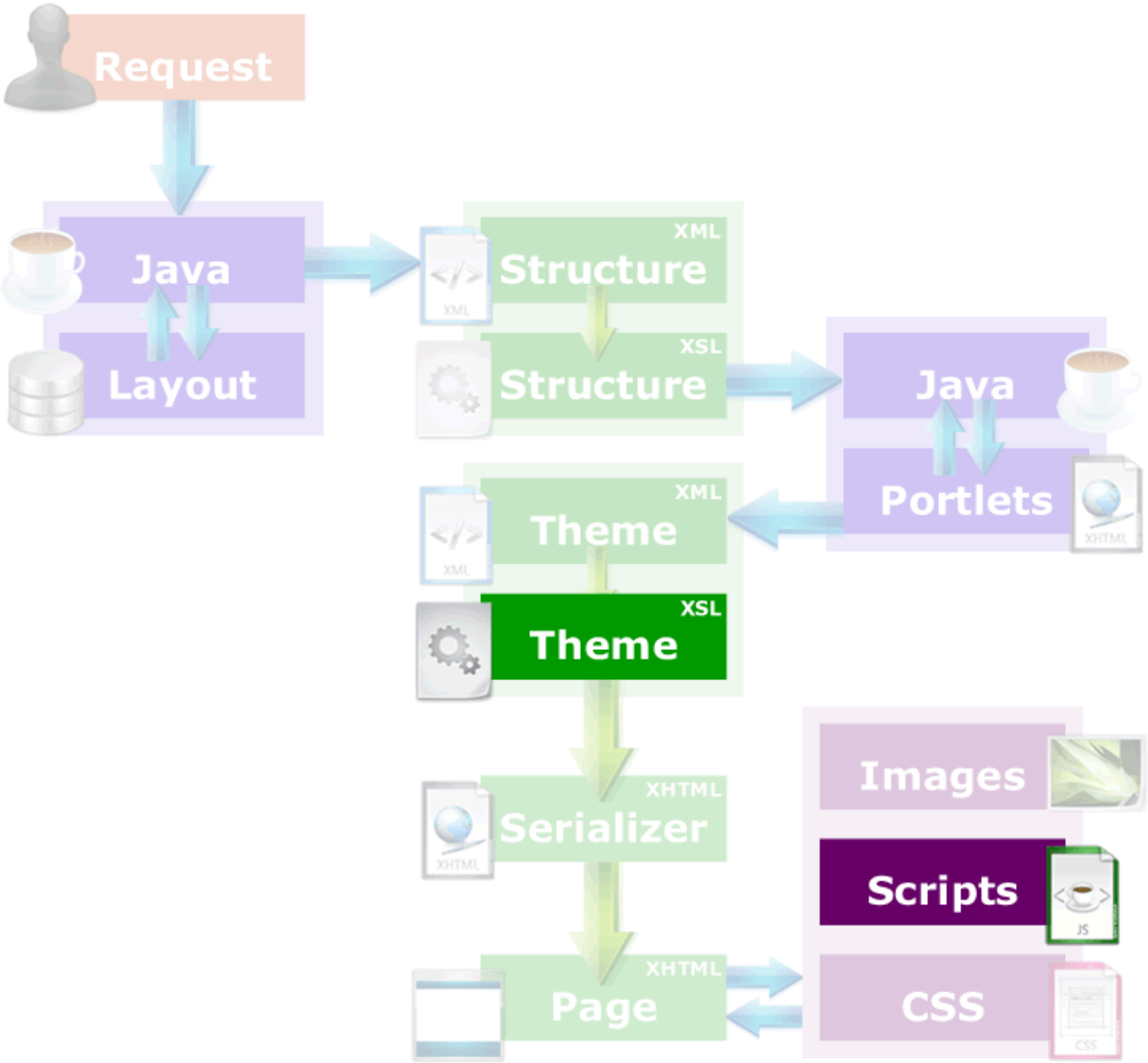
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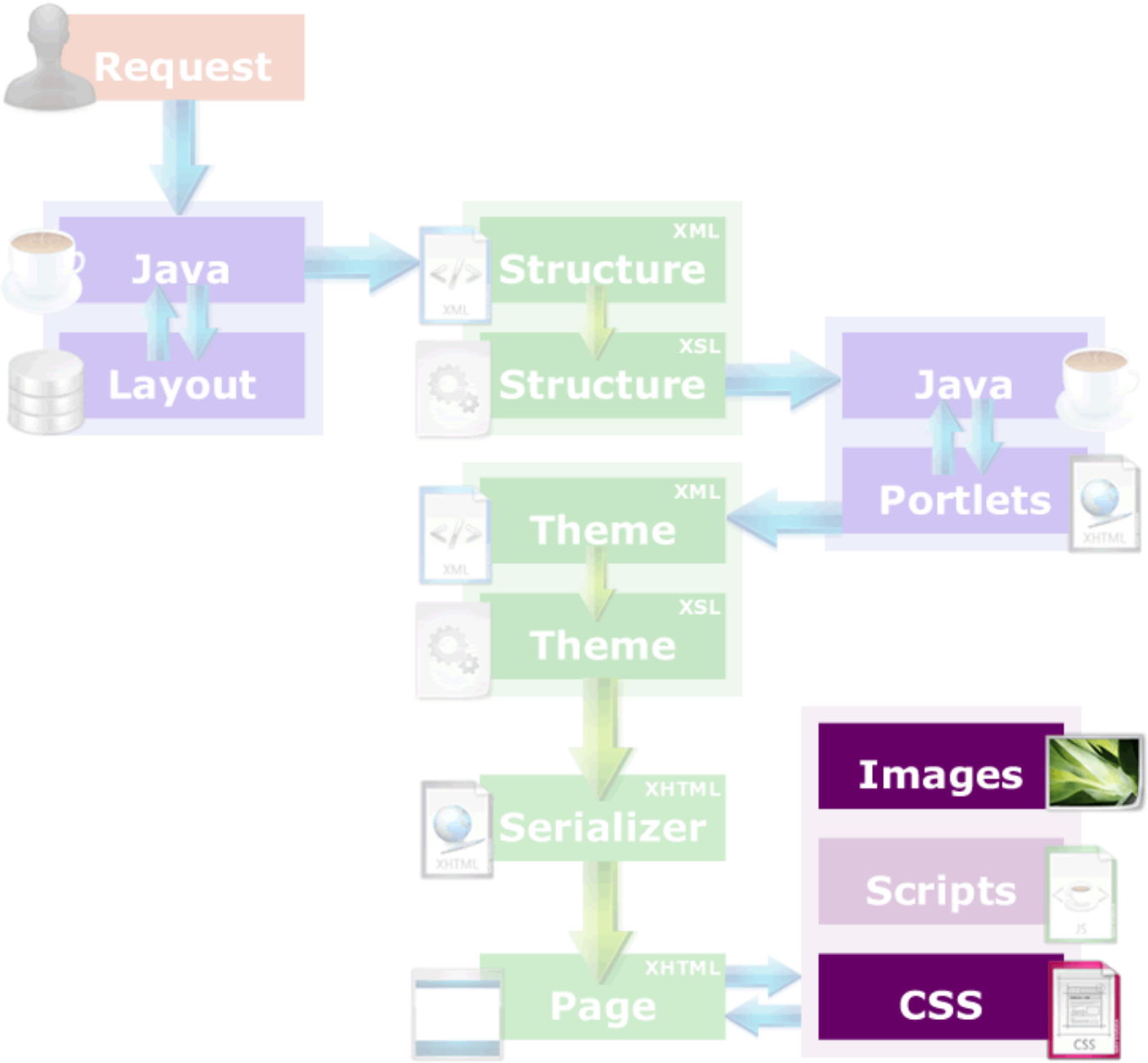
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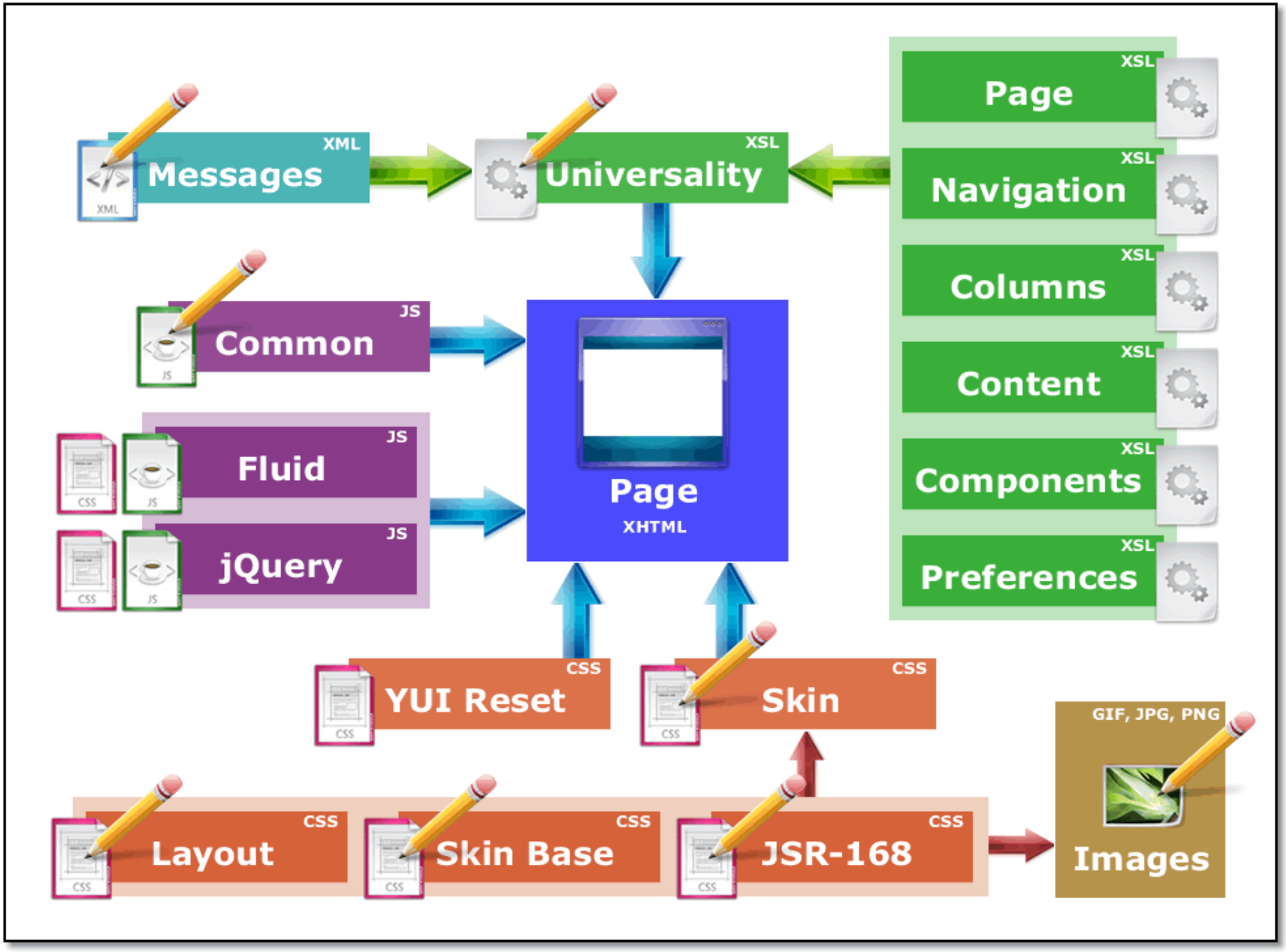
XML
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JS
Common
JS
Fluid
JS
jQuery
Page
XHTML
CSS
YUI Reset
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Skin
CSS
Layout
CSS
Skin Base
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Images

5

User Experience

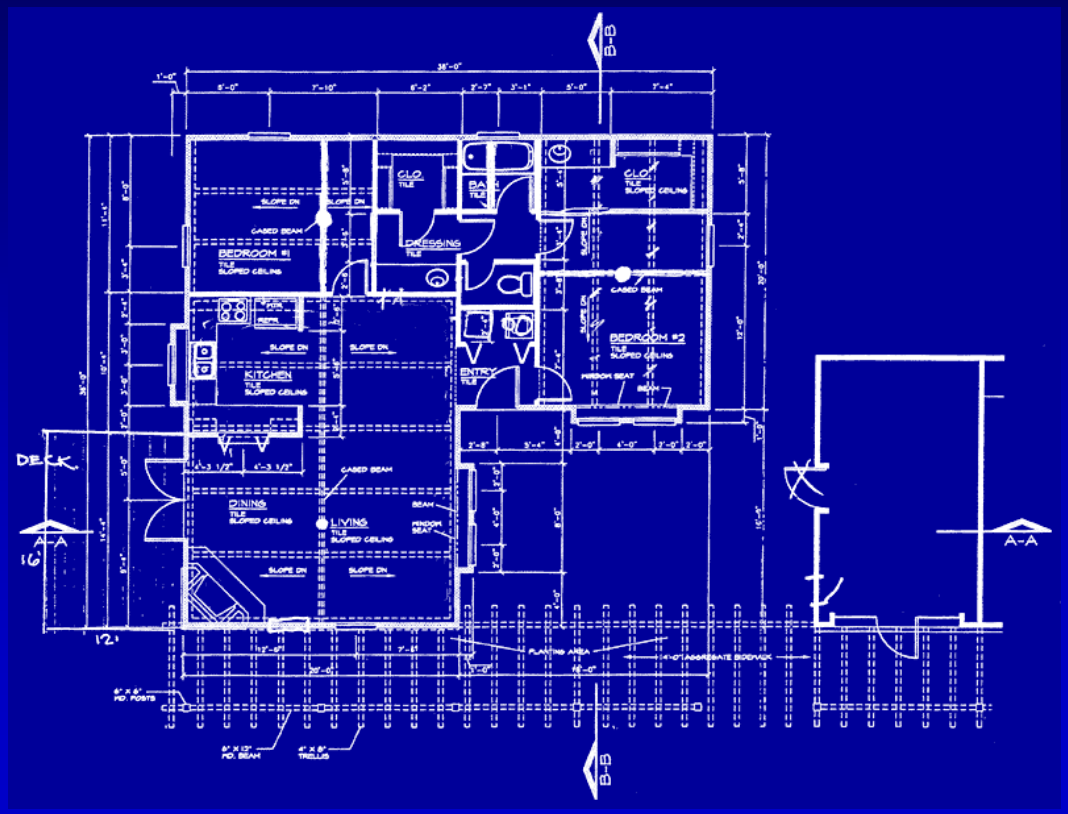
Considerations and best practices for uPortal user experience design.

Discover

Discover

Discover

Discover



B-B
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CASED BEAM
BEDROOM #1
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SLOPED CEILING
DRESSING
TILE
CASED BEAM
BEDROOM #2
TILE
SLOPED CEILING
KITCHEN
TILE
SLOPED CEILING
ENTRY
TILE
DECK
DINING
TILE
SLOPED CEILING
LIVING
TILE
SLOPED CEILING
CASED BEAM
BEAM
A-A
A-A
B-B

Design

MOST DIFFICULT
Snorting Elk
MOST DIFFICULT
Northway Ridge
EXPERTS ONLY
Right Angle
EXPERTS ONLY
N. Back Country

Design

Send Your Feedback

my JOHNS HOPKINS

Home | First Time Log In | Help

JOHNS HOPKINS UNIVERSITY

Welcome Guest! [Click here to Login]

SEARCH ○ JH Topic ◉ Person Last Name, First Name Go

Advanced Person Search

Today's Announcements JHU

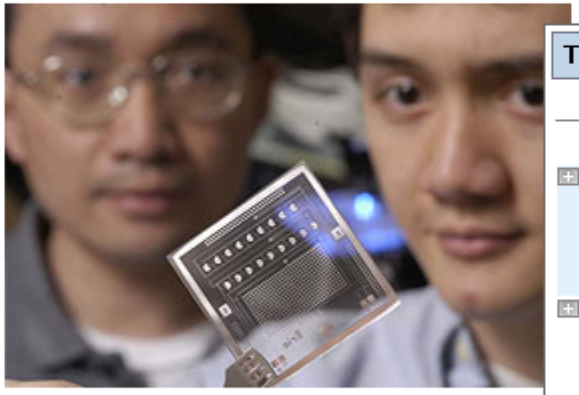
03/28/2008

- Designing and Printing Scientific Posters: Free DMC workshop
- Dynamic Graphics with Flash: Free DMC workshop
- Free Friday Night Film: Sweeney Todd, the Demon Barber of Fleet Street
- Sushi night at Nolan's April 2
- Sign up to be certified in CPR and First Aid
- East Asian Forum and Review welcomes Thomas Mullaney
- Experiential Education open house: Outdoors and free s'mores

03/27/2008

- An Introduction to Object Theater: Lecture and Workshop

03/26/2008



Weather Channel - Baltimore

Baltimore, MD (21218) 3/28/08 4:45 PM EDT

Friday	Saturday	Sunday

Today's Events

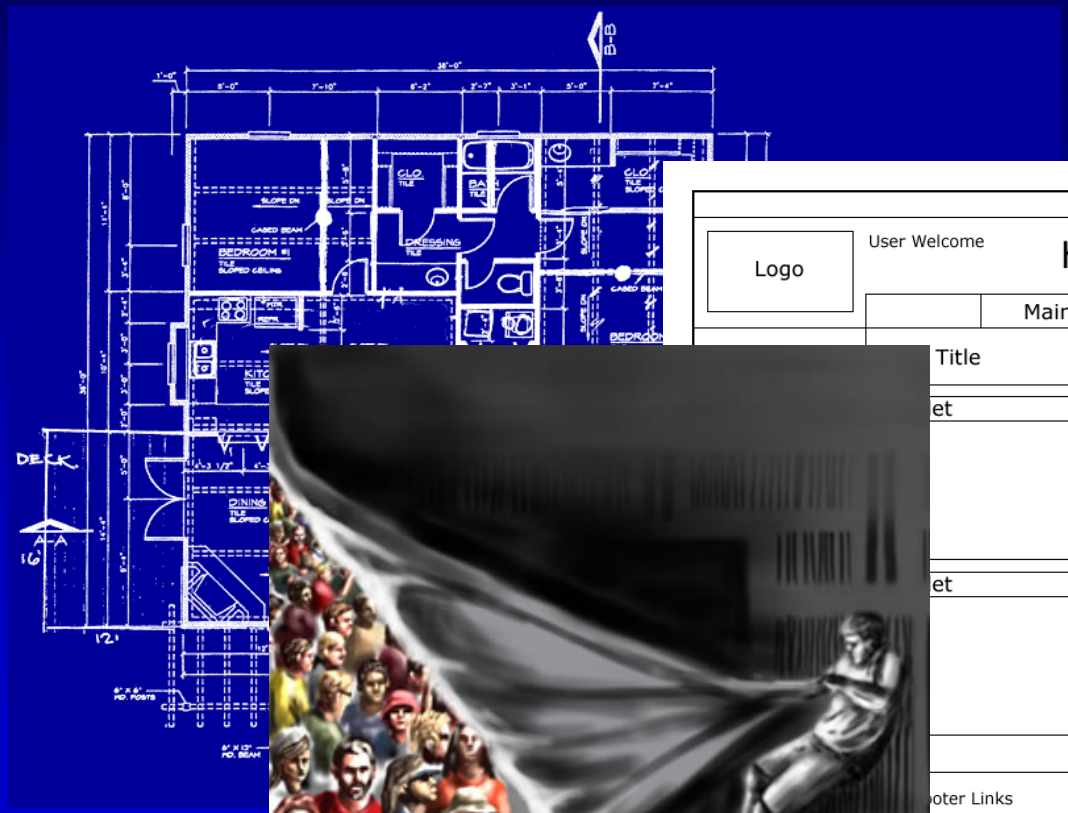
03/28/2008

Start Time	Event
9:00 AM - 5:45 PM	KANT'S CRITIQUE OF JUDGMENT: ART, SCIENCE, AND RELIGION
11:00 AM - 12:00 PM	Scalar dispersion in inhomogeneous flow
12:00 PM - 1:30 PM	Brown Bag Lunch Seminar
12:15 PM - 1:20 PM	Department of Epidemiology Seminar Series
4:00 PM - 6:00 PM	Language Unmoored: Signs and Revolution in Kleist's 'The

Design

Design

Design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BEDROOM #1
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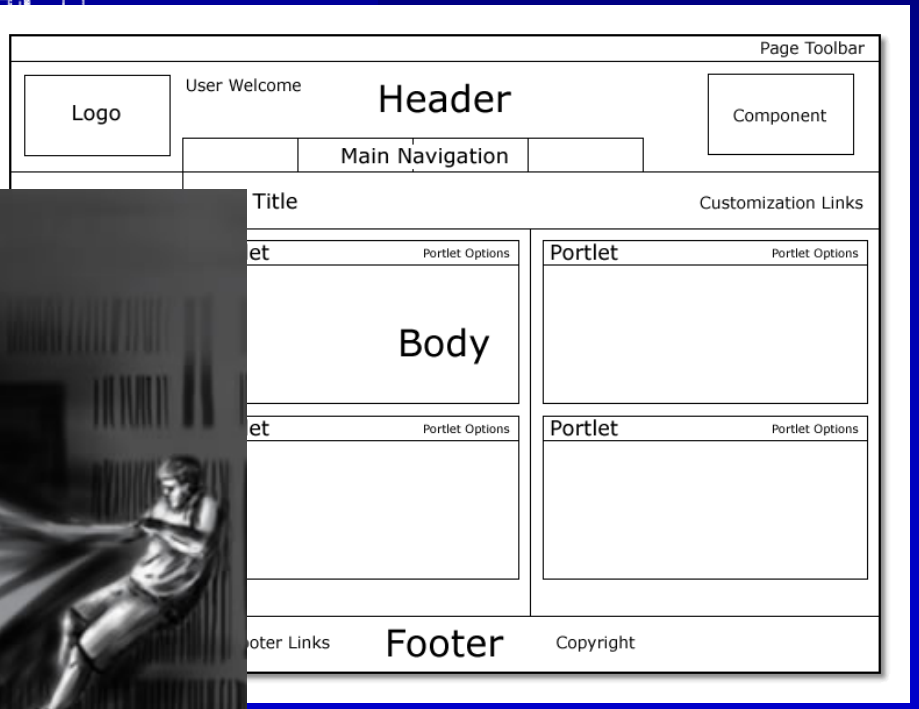
DINING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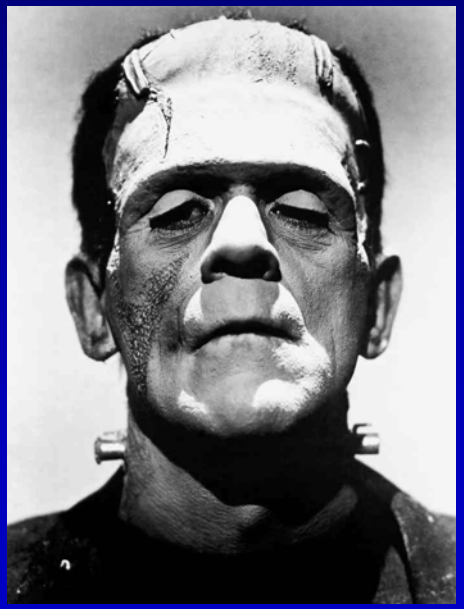
Footer
Copyright

Design



Design

The Paul H. Nitze School of Advanced International Studies
Washington, D.C

My JOHNS HOPKINS | Home | My Profile | Help | Logout

Welcome John. Not John?

Search People Go

Home | My Classes | My JHU | Library | Support

Email
Calendar
Alerts
Documents

Home

Customize My Portal

HEADLINES

Announcements

Options

Flute Master Class Participants Recital
The Marina Piccinini International Flute Master Class Participants Recital is set for 7 p.m. on Friday, June 6 in Peabody's Griswold Hall. Colette Valentine, piano. Admission is free... More

Korean-American Student Association Fund-Raising Concert
The Korean-American Student Association will hold its second fund-raising concert from 7:30 to 9 p.m. on Friday, May 30 at Friedberg Hall at the Peabody Institute... More

Congratulations to our students
Dear Students, Faculty and Staff... More

Weather

Options

Baltimore, MD (21218) 5/21/08 7:45 PM EDT

Wednesday	Thursday	Friday	Saturday
High: N/A	High: 67	High: 71	High: 74
Low: 51	Low: 49	Low: 54	Low: 56

Calendar

Options

<Prev | Today | Next>

May 2008

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Today's Events

View all

All Day	Harmony to the Eyes: Charting Palladio's Architecture from Rome to Baltimore
All Day	Sculpture at Evergreen 2008
2:00pm	Bloomberg School of Public Health Convocation
7:00pm	Whiting School of Engineering Graduate Ceremony

More...

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JOHNS HOPKINS UNIVERSITY

Drake UNIVERSITY | blueView campus portal

Welcome, John Q. Faculty

Blackboard | Web Mail | Help | Logout

Find a Student | Go

Home | Faculty | MyCourses | Employee

December 01, 2008

Home

Change Content

Campus Alert

- Campus Health Alert
- Safety Alert from Drake Security

Drake University Emergency Response Plan

MyDUSIS

MyDUSIS Menu

- Link One
- Link Two
- Link Three

Weather

Des Moines, IA

32°F Current:Cloudy
Wind: SW at 6 mph
Humidity: 74%

Today	Wed	Thu	Fri
38° | 29°	31° | 14°	25° | 11°	27° | 22°

Drake University Life

See more photos from Drake University

Announcements

Nov 20 — Thanksgiving Grand Buffet - Drake Dining

Nov 30 — Drake University Benefits Package Information

Dec 15 — Telephone Book Recycling

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean dictum vulputate ante. Praesent massa nulla, condimentum vel, ornare eu, adipiscing in, purus. Aliquam semper, dolor quis condimentum auctor, dui nisi placerat magna, eu commodo elit risus ac magna. Etiam ac ante at nulla cursus convallis. Donec fermentum...

See more announcements

Events

<Prev | Today | Next>

May 2008

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4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Upcoming Events — View all

- 4:00 pm — Senior Honors Thesis Presentation
- 6:30 pm — Film: For the Bible Tells Me So
- 7:00 pm — Applied Research Student Symposia
- May 06 — Drake Symphony Orchestra Concert
- May 07 — Faculty Senate Meeting

See more events

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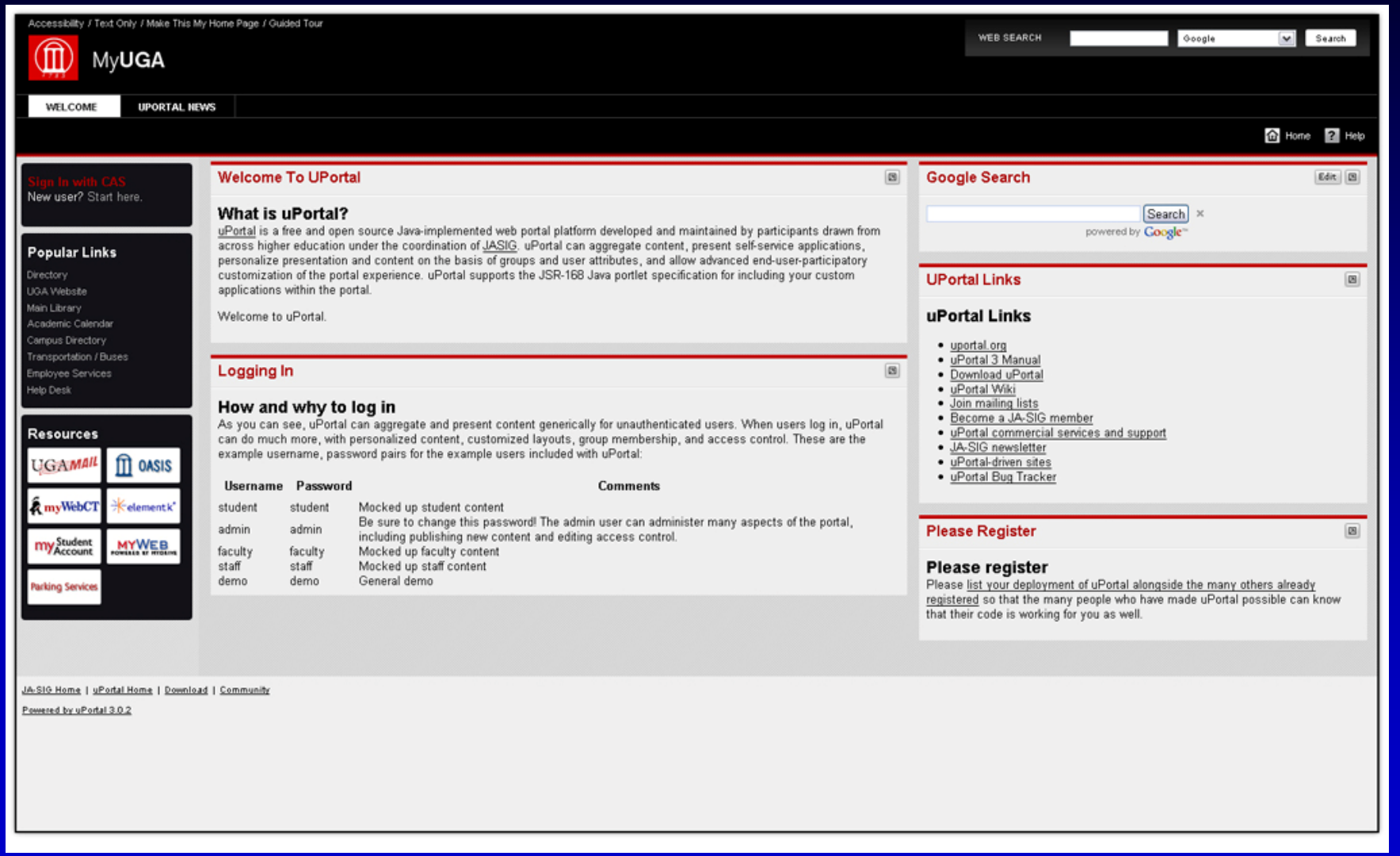
Accessibility / Text Only / Make This My Home Page / Guided Tour
MyUGA
WEB SEARCH
Google
Search
WELCOME
UPORTAL NEWS
Home
Help
Sign In with CAS
New user? Start here.
Popular Links
Directory
UGA Website
Main Library
Academic Calendar
Campus Directory
Transportation / Buses
Employee Services
Help Desk
Resources
UGAMAIL
OASIS
myWebCT
element K
my Student Account
MYWEB
Parking Services
Welcome To UPortal
What is uPortal?
uPortal is a free and open source Java-implemented web portal platform developed and maintained by participants drawn from across higher education under the coordination of JASIG. uPortal can aggregate content, present self-service applications, personalize presentation and content on the basis of groups and user attributes, and allow advanced end-user-participatory customization of the portal experience. uPortal supports the JSR-168 Java portlet specification for including your custom applications within the portal.
Welcome to uPortal.
Logging In
How and why to log in
As you can see, uPortal can aggregate and present content generically for unauthenticated users. When users log in, uPortal can do much more, with personalized content, customized layouts, group membership, and access control. These are the example username, password pairs for the example users included with uPortal:
Username
Password
Comments
student
student
Mocked up student content
admin
admin
Be sure to change this password! The admin user can administer many aspects of the portal, including publishing new content and editing access control.
faculty
faculty
Mocked up faculty content
staff
staff
Mocked up staff content
demo
demo
General demo
Google Search
Edit
Search
powered by Google
UPortal Links
uPortal Links
uportal.org
uPortal 3 Manual
Download uPortal
uPortal Wiki
Join mailing lists
Become a JA-SIG member
uPortal commercial services and support
JA-SIG newsletter
uPortal-driven sites
uPortal Bug Tracker
Please Register
Please register
Please list your deployment of uPortal alongside the many others already registered so that the many people who have made uPortal possible can know that their code is working for you as well.
JA-SIG Home | uPortal Home | Download | Community
Powered by uPortal 3.0.2

Nova Scotia Agricultural College

Welcome Admin User. Sign Out.

Home | Portlet Manager | Customize | Site Map | Help

Welcome | Tab Name | Tab Name | Tab Name | Tab Name

Customize My Portal | Add Content | Page Layout | Select Skin | Add Tab

Web Search

Google

Search

Quicklinks

- Bookmarks Portlet
- Calendar
- My Weather

Welcome

Welcome

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Sed eget neque consequat sapien commodo ultricies. Mauris commodo lobortis elit. Mauris euismod. Fusce ac dui. Nullam in arcu. Morbi pulvinar. Vivamus lacinia ligula et dolor. Phasellus hendrerit nulla. Aliquam feugiat eleifend tellus. Nullam tristique nisi et est. Sed luctus magna ut dui. Nam aliquet metus laoreet tortor.

Duis erat mi, placerat vel, vulputate ac, commodo vel, mauris. Duis molestie. Sed urna erat, viverra sit amet, aliquam ut, facilisis a, magna. Nullam suscipit posuere justo. Curabitur ac augue. Maecenas eget orci. Aenean et purus. Curabitur non nulla sed metus convallis ornare. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Sed sed ipsum nec libero pharetra malesuada. Suspendisse potenti. Pellentesque et sapien non purus malesuada auctor. Nulla aliquet dui quis diam. Mauris dictum justo eget neque. Maecenas vel magna vitae neque volutpat eleifend. Fusce id massa ut nunc lobortis interdum. Duis libero justo, lacinia in, commodo nec, hendrerit sit amet, nulla. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

Vivamus scelerisque fringilla urna. Nulla facilisi. Duis vestibulum. Nunc venenatis mauris quis quam. Pellentesque enim lorem, blandit in, interdum eu, interdum quis, diam. Cras malesuada tempus pede. In hac habitasse platea dictumst. Donec elementum, nisl id lobortis luctus, orci sapien mattis pede, vel posuere urna felis lacinia libero. Sed lobortis sem vitae felis. Morbi blandit. Aliquam ac dui id pede dignissim suscipit.

Bookmarks Portlet

Saint Paul, MN

Currently	Fri	Sat
84° F	93° | 64°	79° | 52°

Wind: S at 14.0 mph
Humidity: 58.0%
Pressure: 29.75 in

Weather provided by AccuWeather.com

Calendar

< Prev | Today | Next >

August 2008

Su	Mo	Tu	We	Th	Fr	Sa
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3	4	5	6	7	8	9
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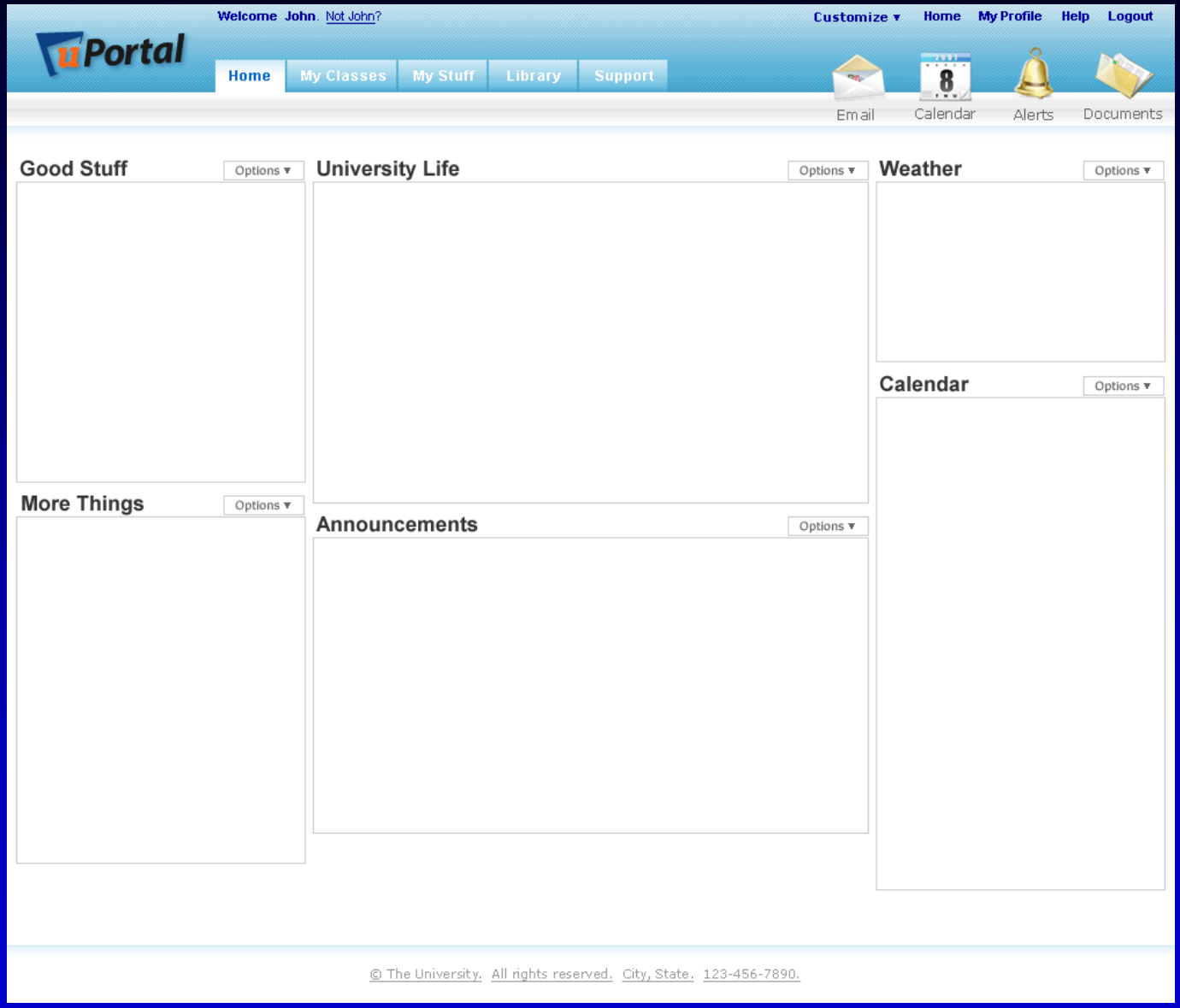
Embrace Your World

NSAC Home | Contact | Privacy Statement


Welcome John. Not John?
Customize ▾
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Announcements
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uPortal
Welcome John. Not John?
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Library
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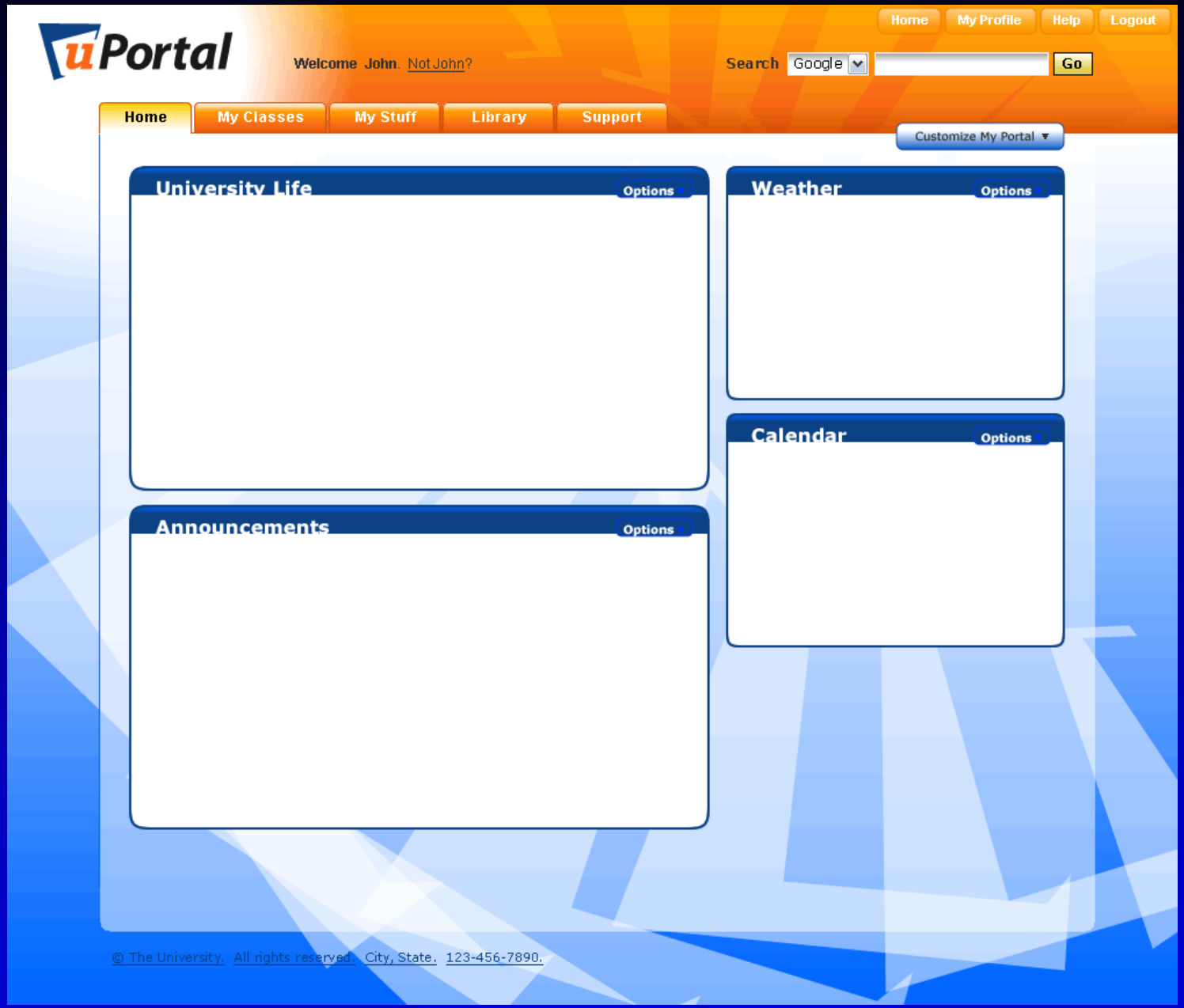
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Support
Customize My Portal
University Life
Options
Weather
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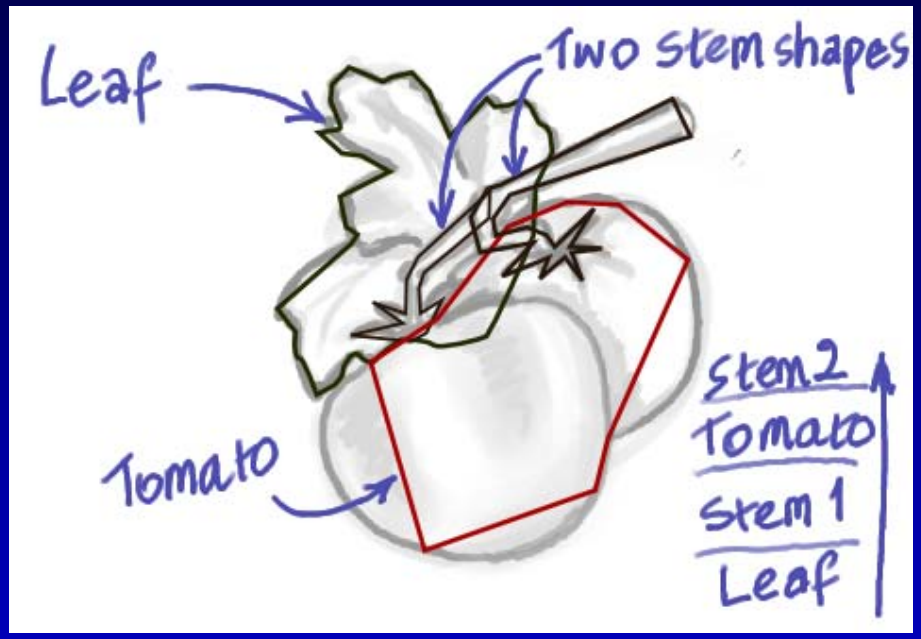
Design

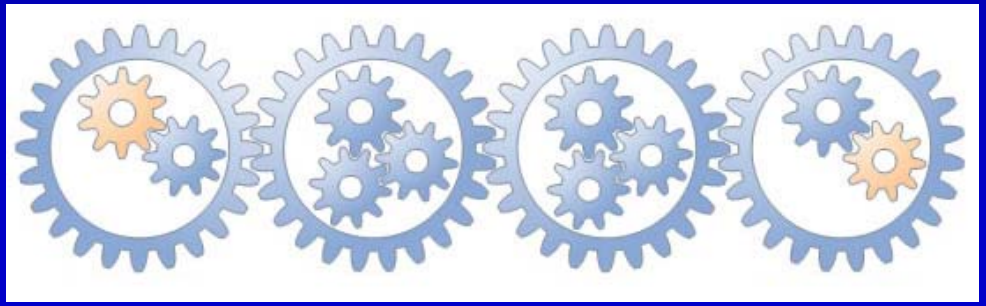
Design Best Practices

- Start rough
- Work publicly
- Encourage collaboration



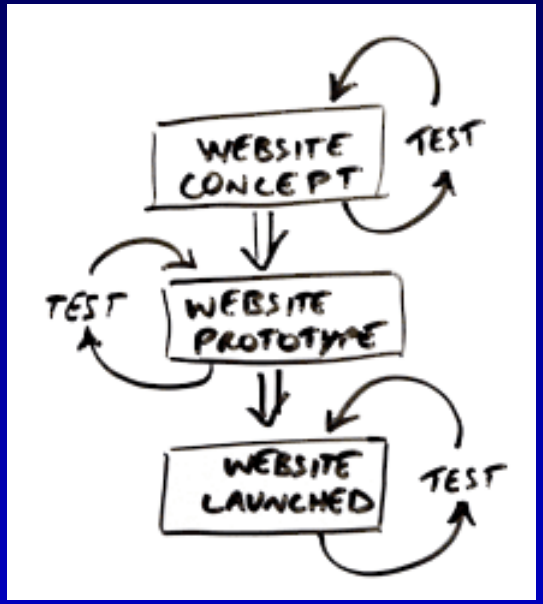
Design Best Practices

- Get feedback from developers often and from the beginning
- Be prepared and willing to work with a phased, iterative approach
- Be available through development for support



Design Best Practices

- Do user testing before and after implementation
- Do as much user testing as possible
- Quick and dirty works!



6

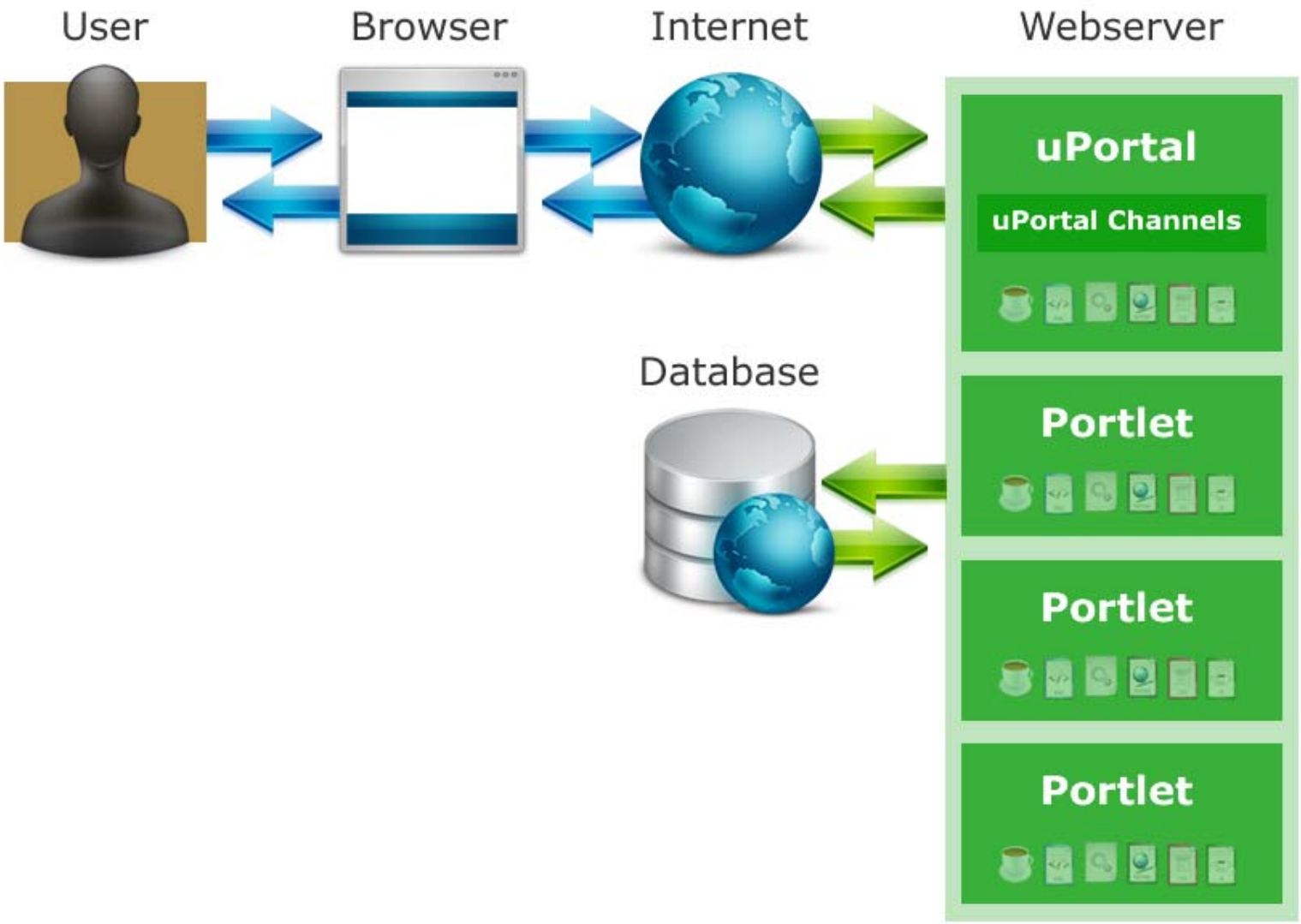
Development

Overview of the location and structure of uPortal theme and skins files and considerations and best practices for uPortal theme and skin development.

Development Process

1. Copy the entire skin directory
2. Rename the skin directory and files
3. Register the new skin in the portal
4. Make modifications to skin files
5. Test the new skin in a test environment
6. Move the new skin to a public environment
7. Restart the portal server
8. Verify the new skin within the portal

Development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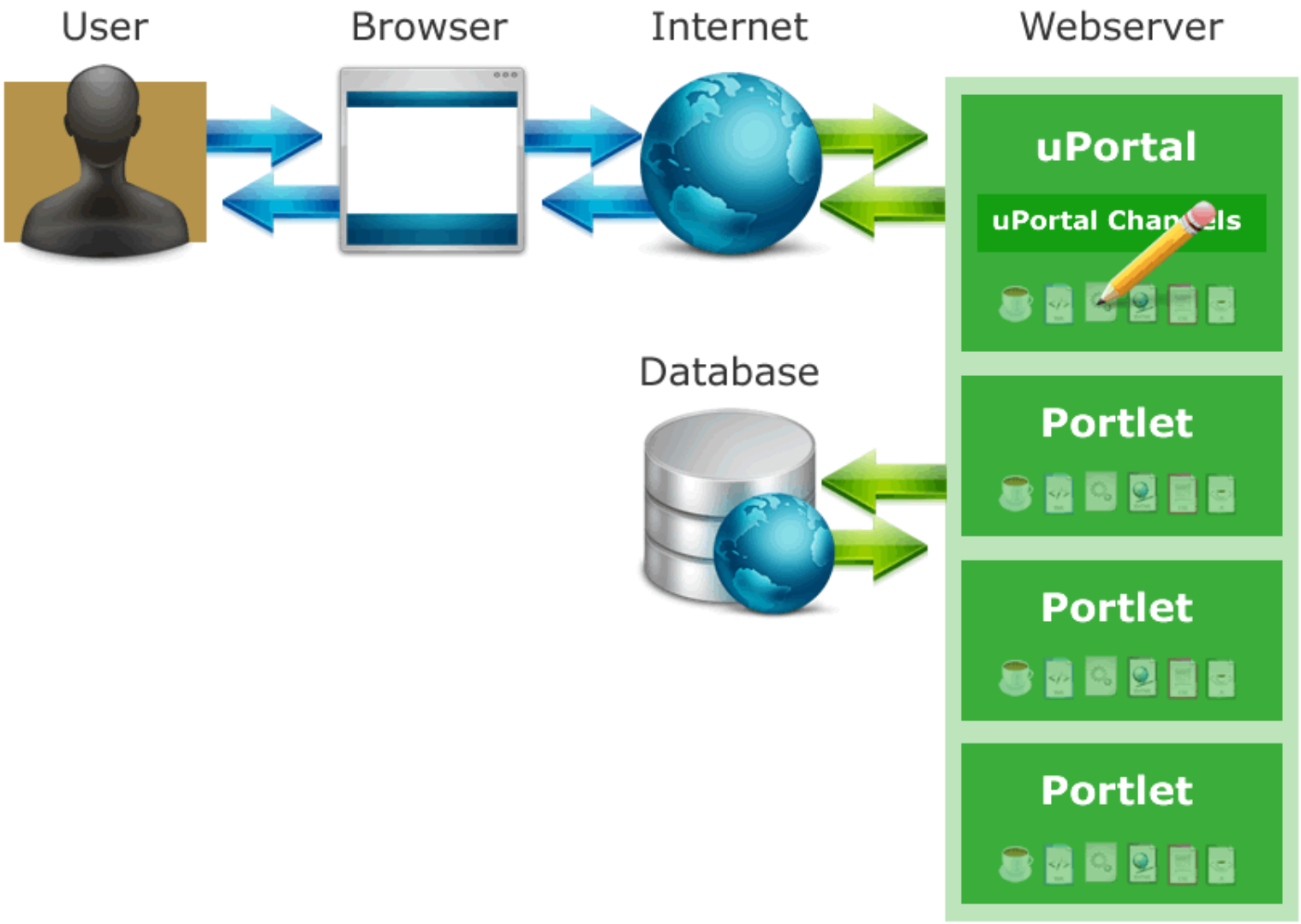
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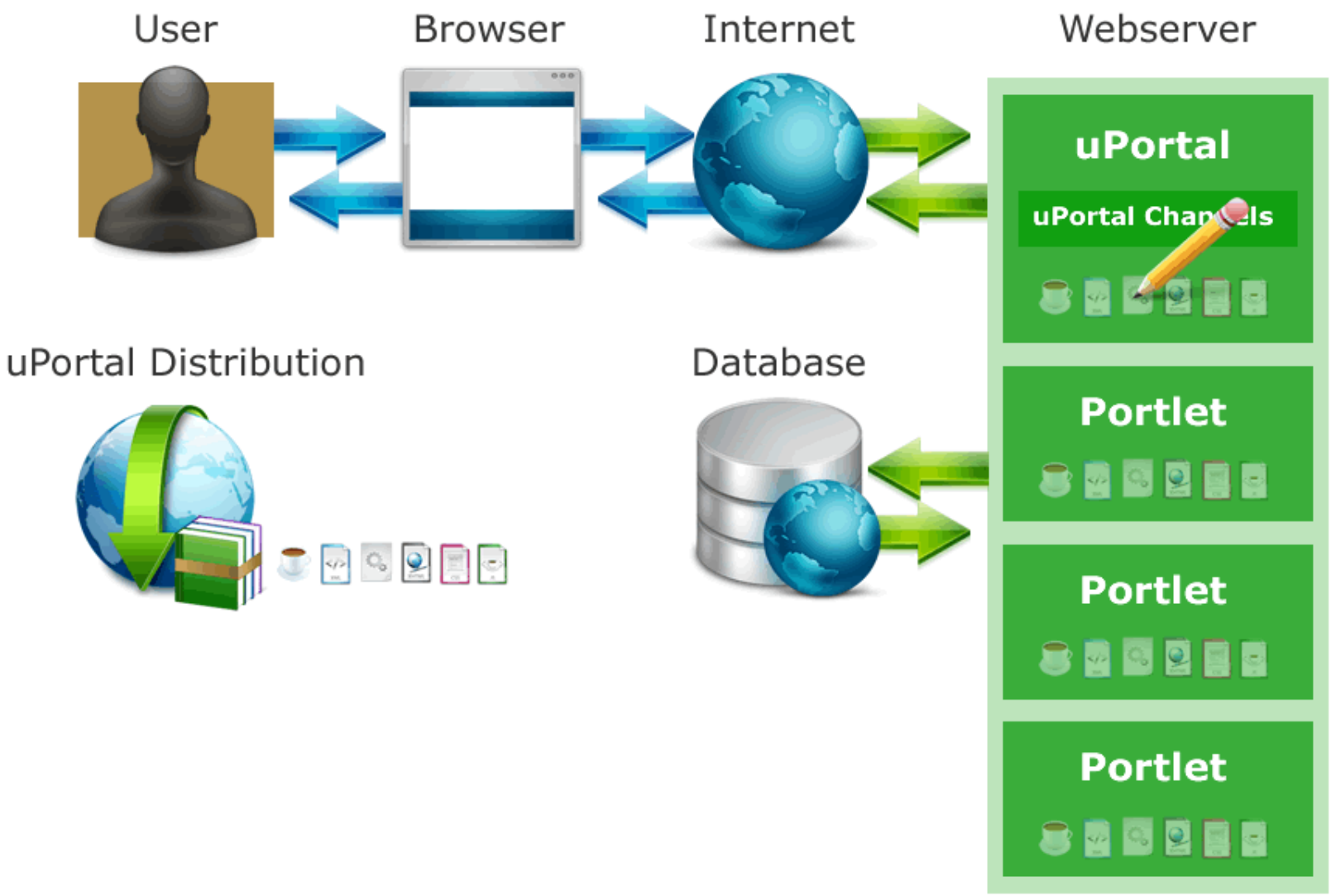
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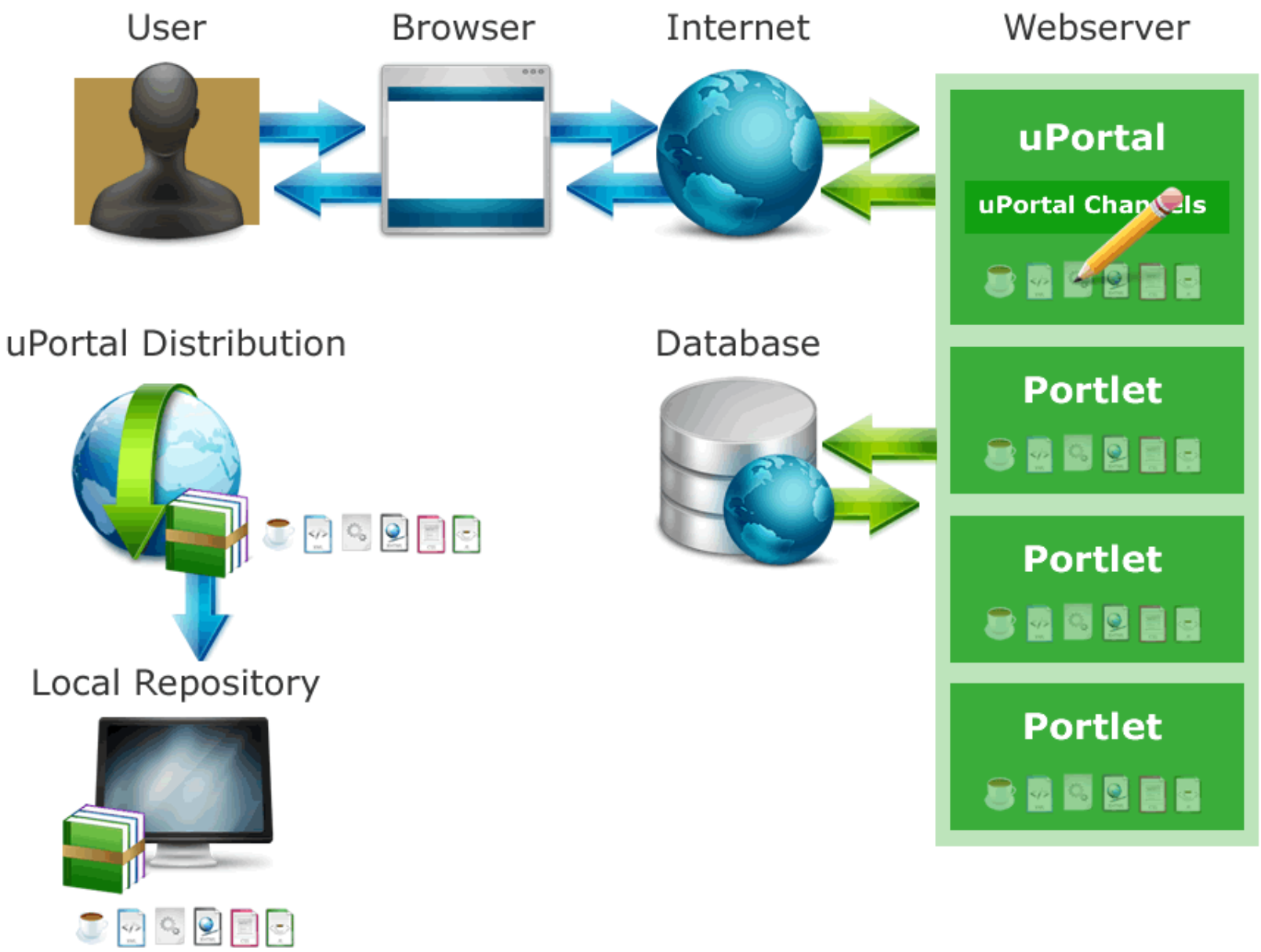
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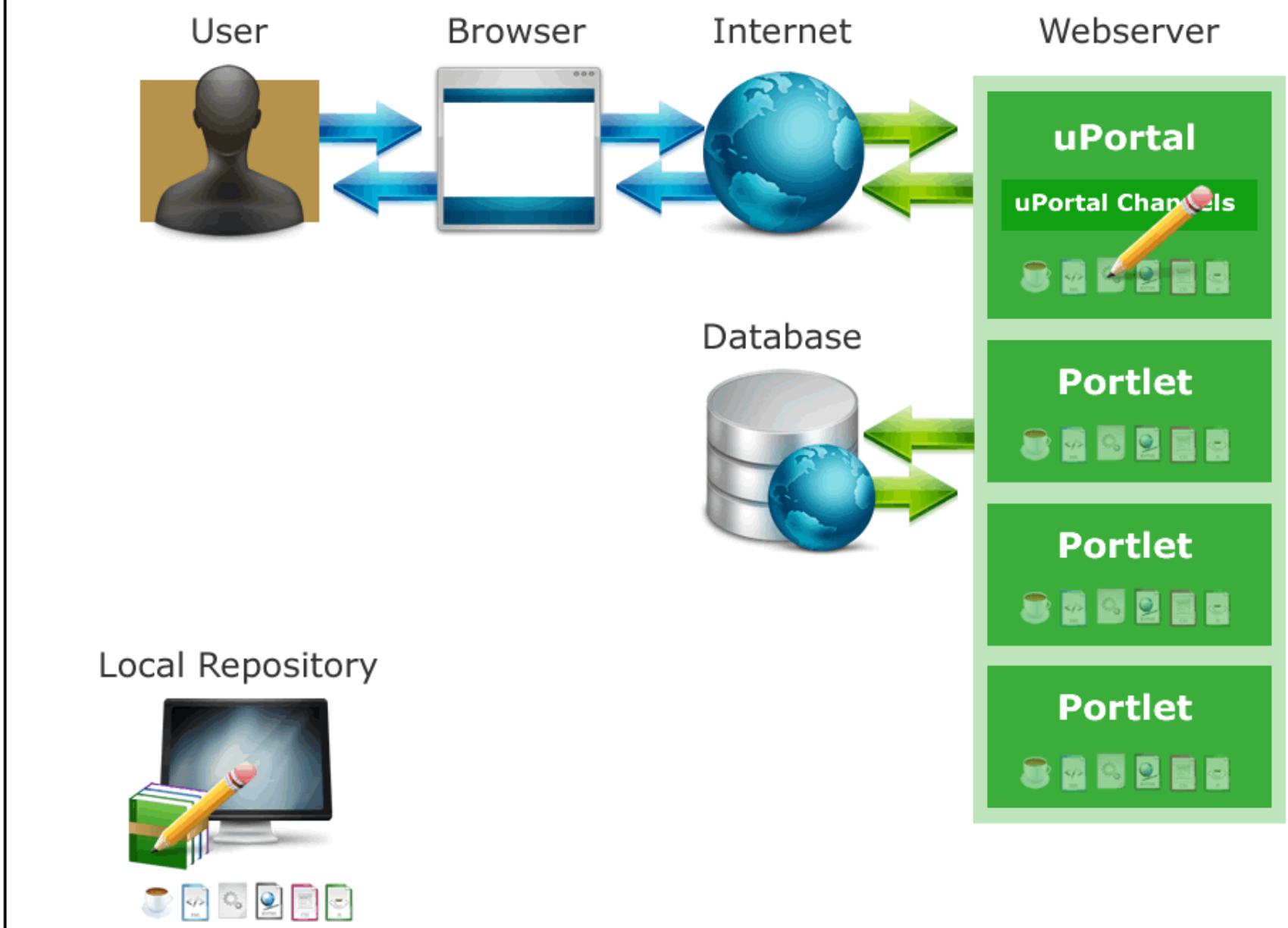
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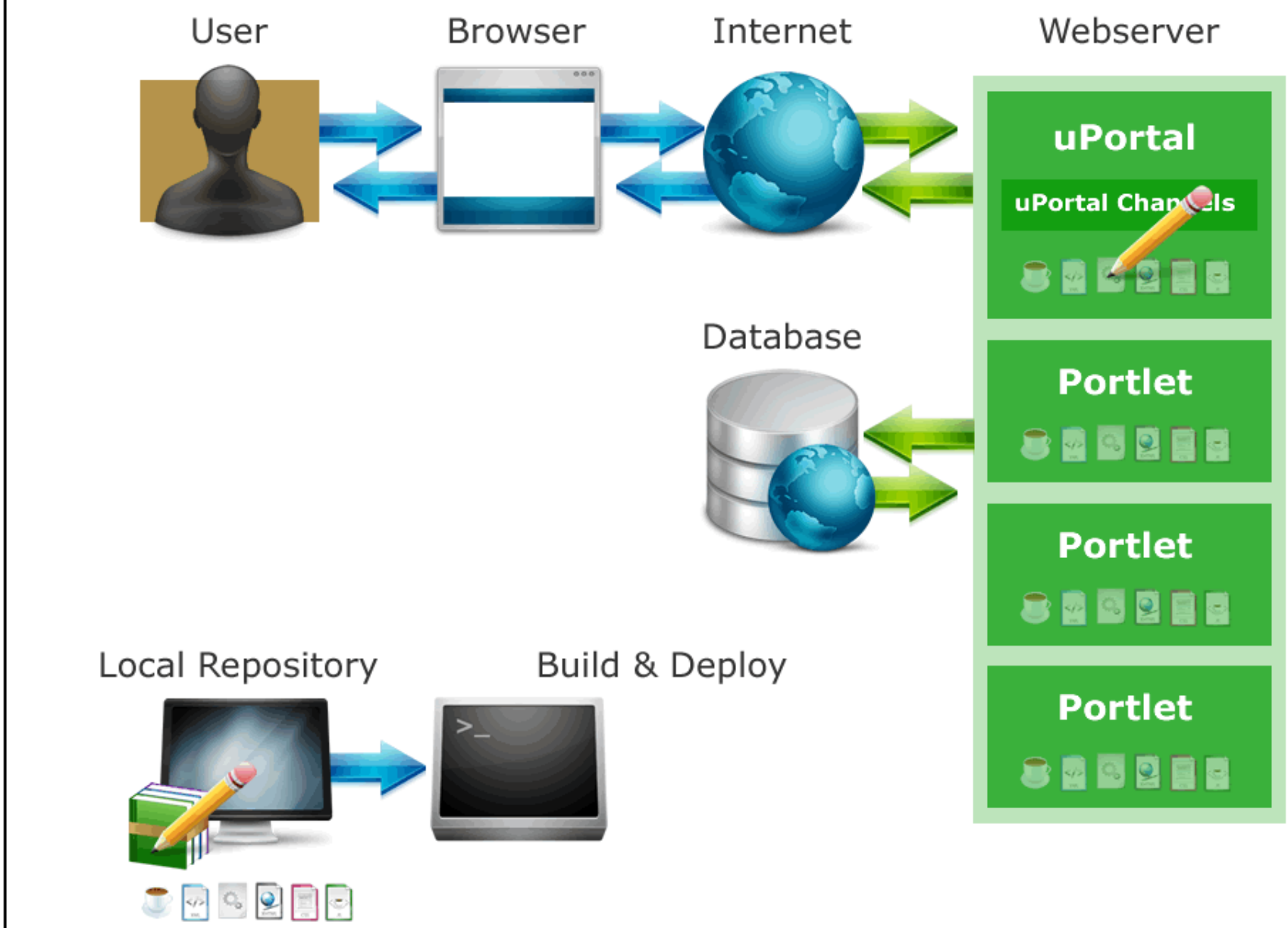
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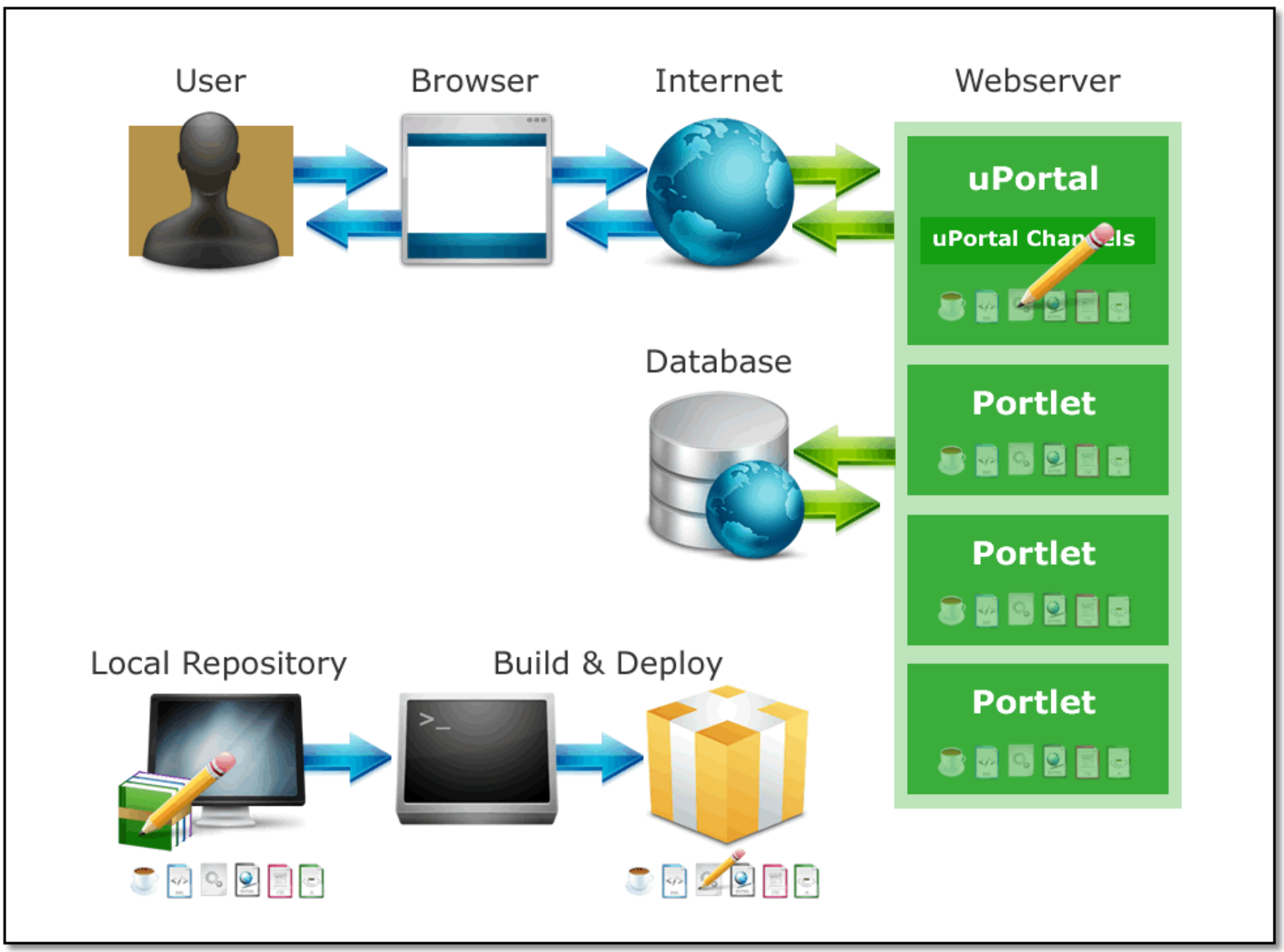
Build & Deploy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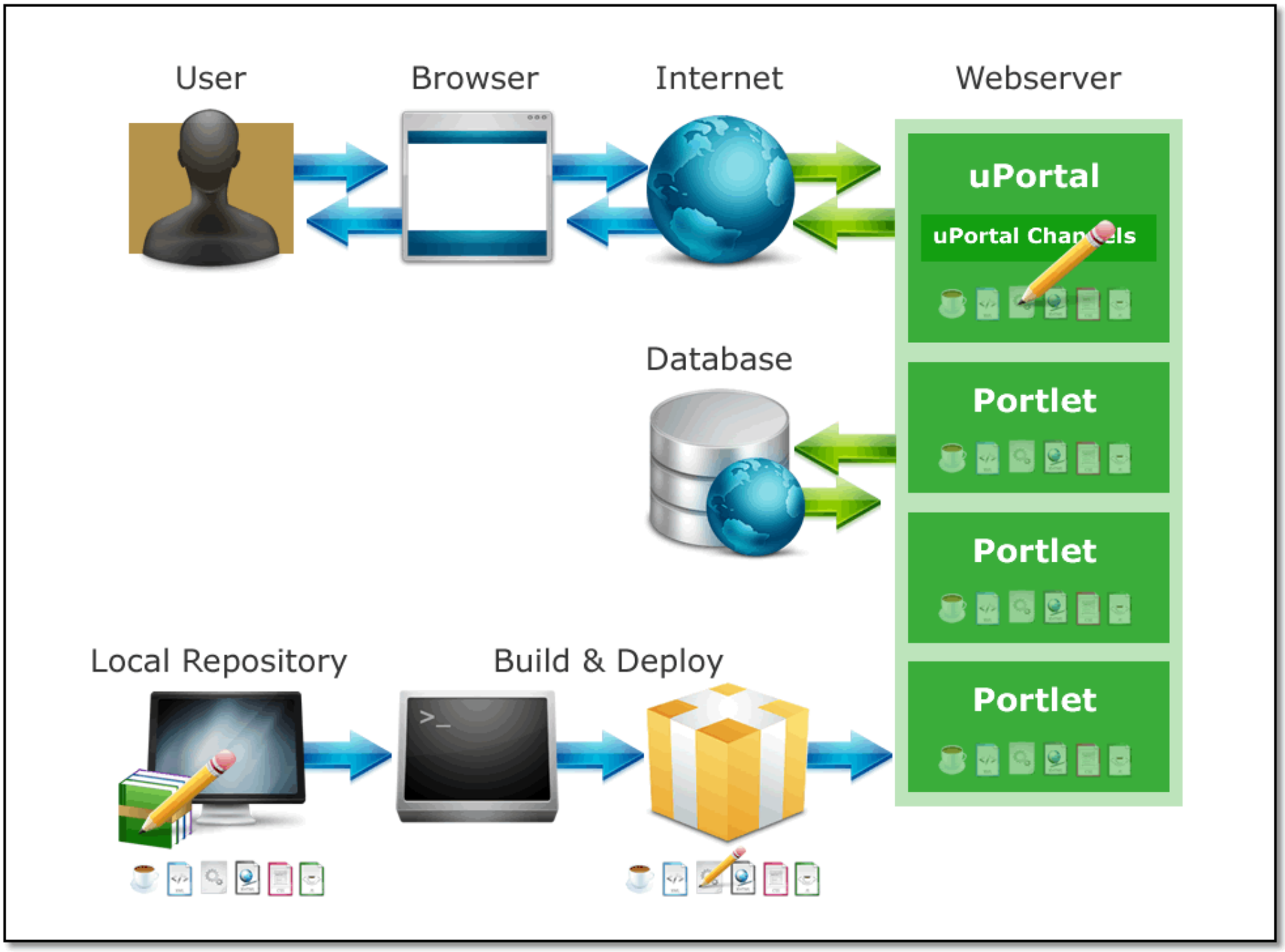
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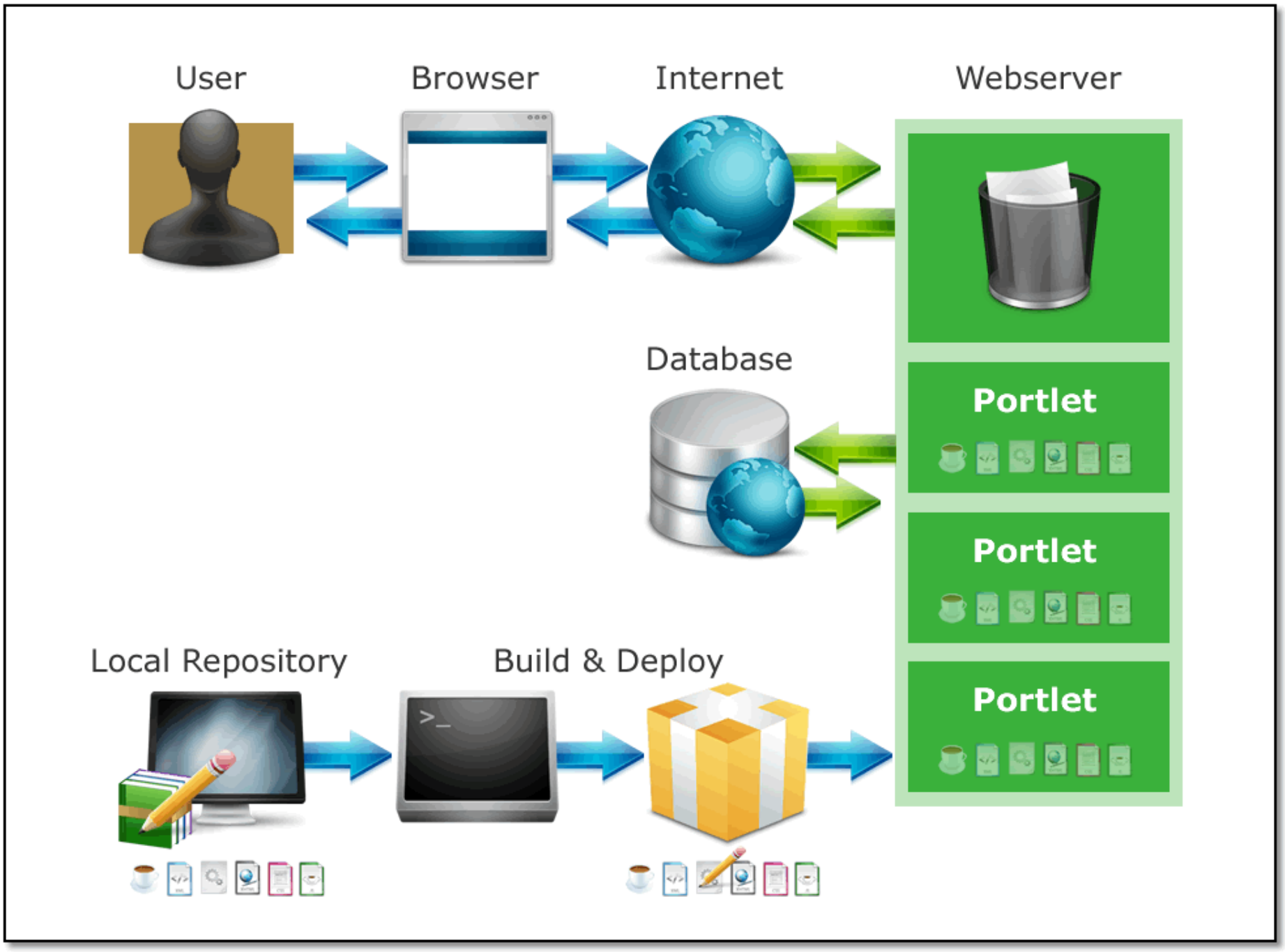
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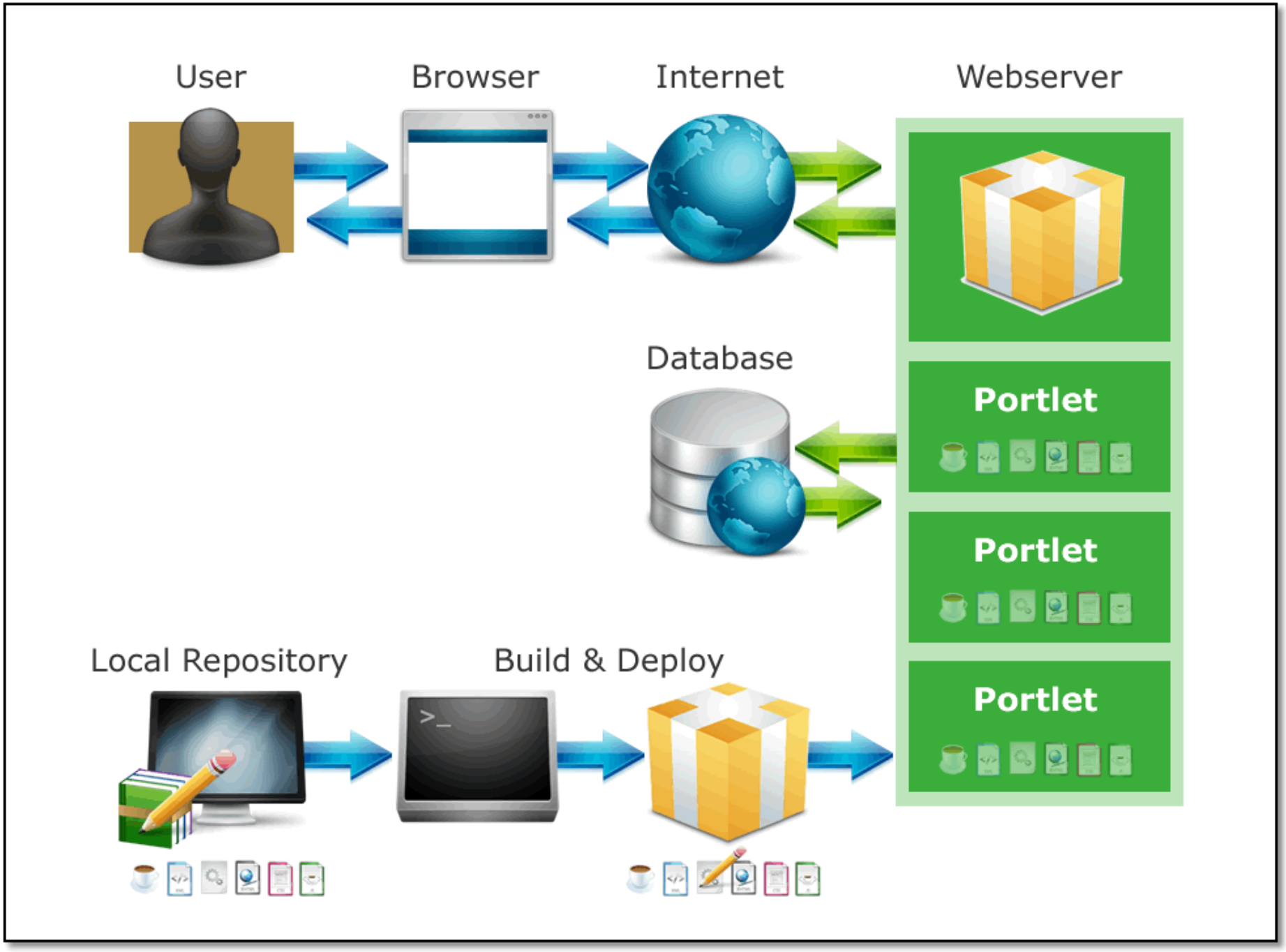
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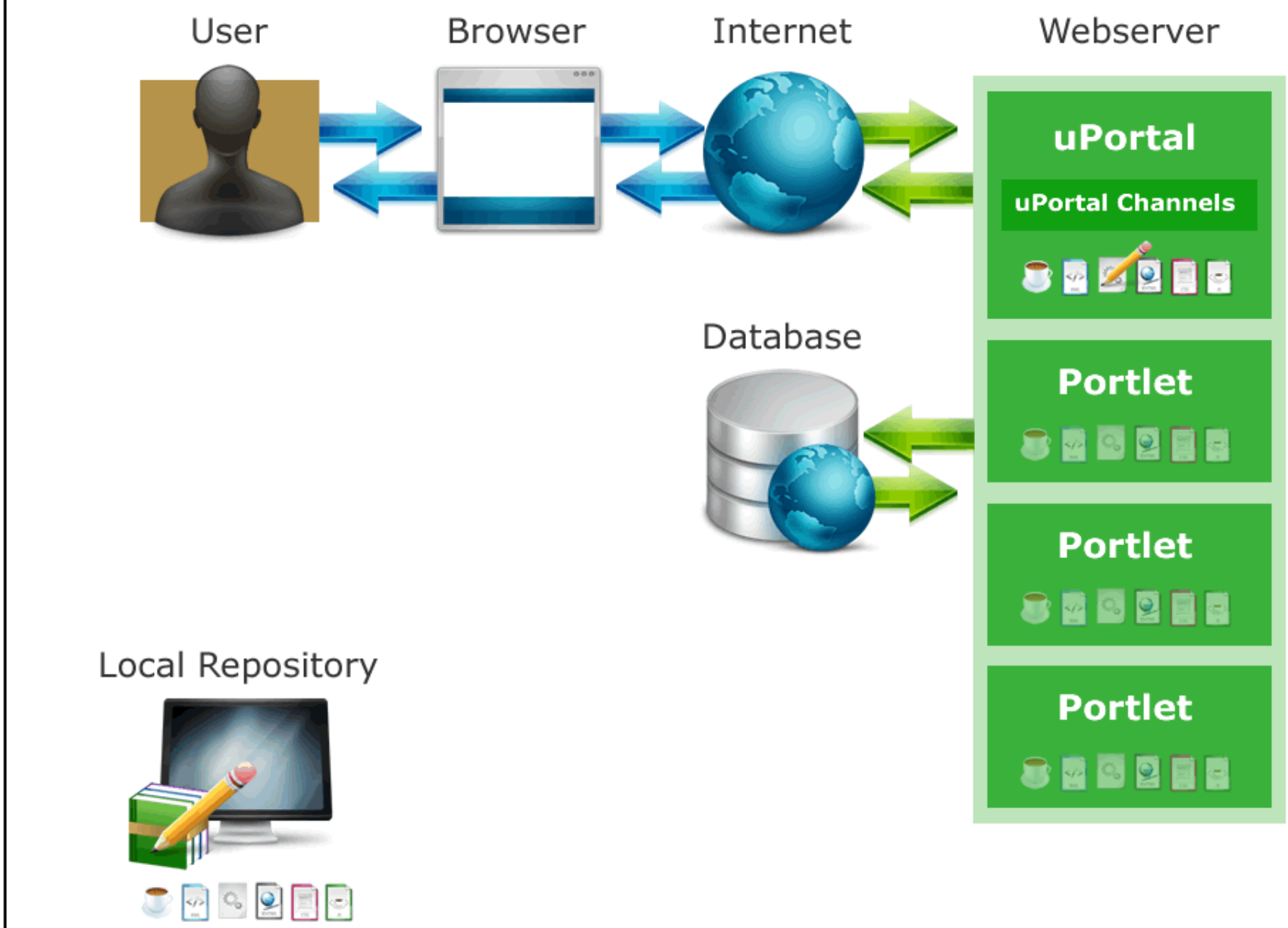
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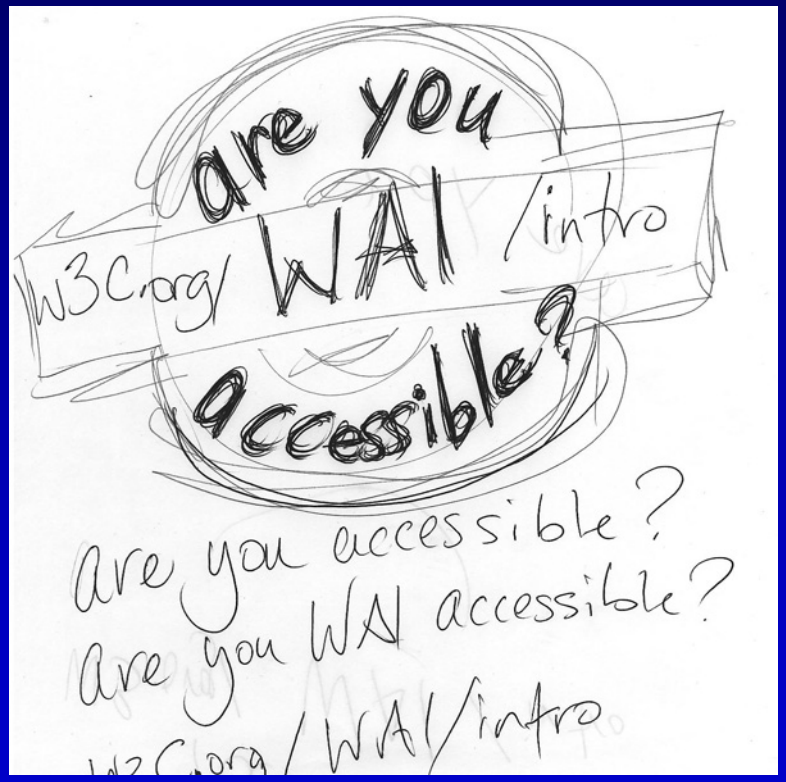
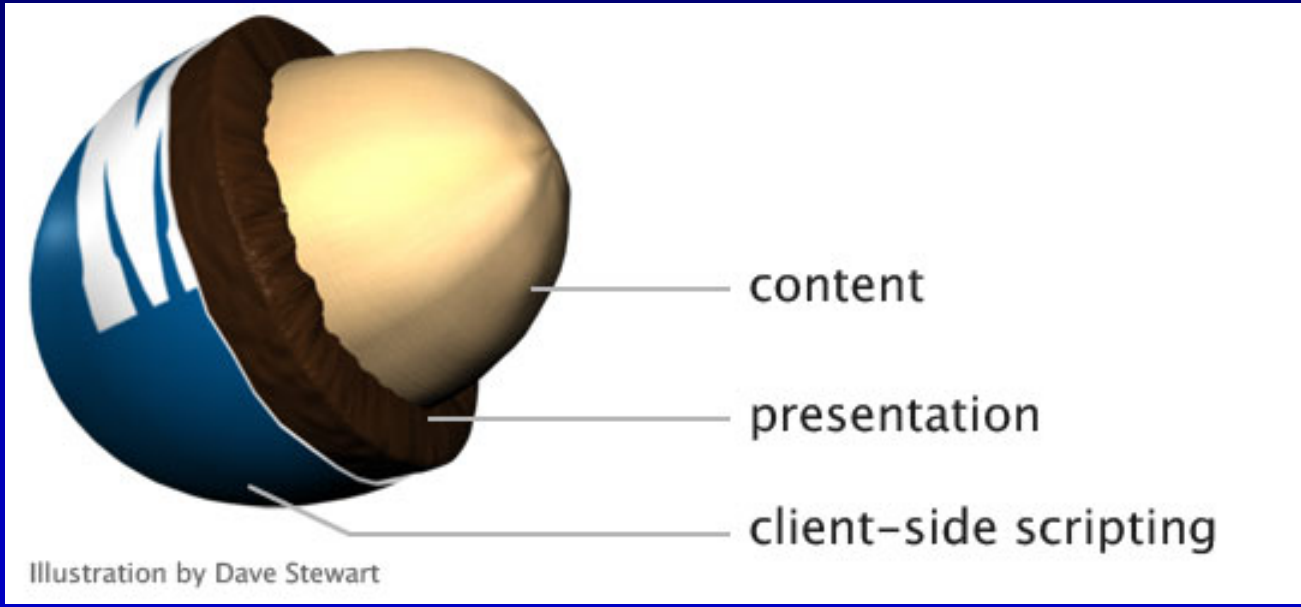
Development

Development

Development



Development



Development

Development

Development

Development Best Practices

- Make sure your team has the right skills for the job
- CSS
- Web Images
- XML/XSL
- XHTML
- JavaScript

Development Best Practices

- Separate your content, presentation, and behavior

Development Best Practices

- Use ids and classes carefully
- Give it a namespace
- Adhere to naming conventions

Development Best Practices

- Use CSS instead of inline images
- Use classes instead of inline style
- Use inline documentation of code

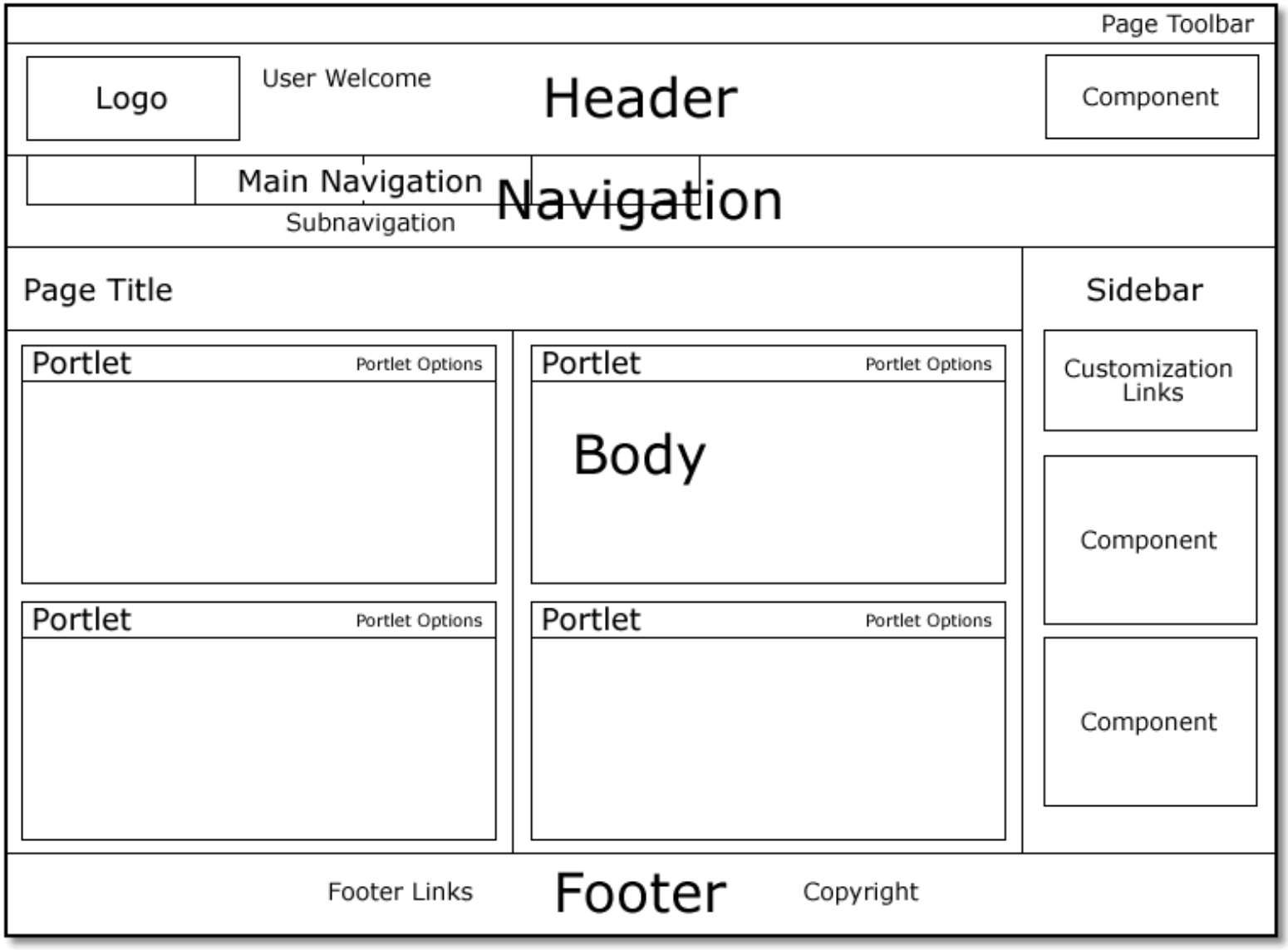
Development Best Practices

- Test, test, test

Deployment

3.1

Overview theme and skin enhancements for the 3.1 release.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Logo
User Welcome
Header
Component
Main Navigation
Subnavigation
Navigation
Page Title
Sidebar
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Portlet Options
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Body
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Component
Footer Links
Footer
Copyright

Home | Site Map | Help | Sign Out

uPortal

Welcome Admin User. Sign out

Google Search

Welcome | Admin Tools | Development | Testing

Welcome | Google Search | Bookmarks | Calendar | My Weather

Welcome

Welcome

Maximize

Lorem Ipsum 1 | Lorem Ipsum 2 | Lorem Ipsum 3

Lorem Ipsum 1

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Bookmarks Portlet

Maximize Remove

You have no bookmarks. Add folders Options and bookmarks to this portlet to keep useful links handy.

Add Bookmark Add Folder

Calendar

Maximize Remove

February 2009

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8	9	10	11	12	13	14
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22	23	24	25	26	27	28

Customize My Portal

- Add Content
- Page Layout
- Select Skin
- Add tab

Administration

- Portlet Manager
- Customize

Fragment Administration

-- fragments -- Go

Quicklinks

- Bookmarks Portlet

JA-SIG Home | uPortal Home | Download | Community

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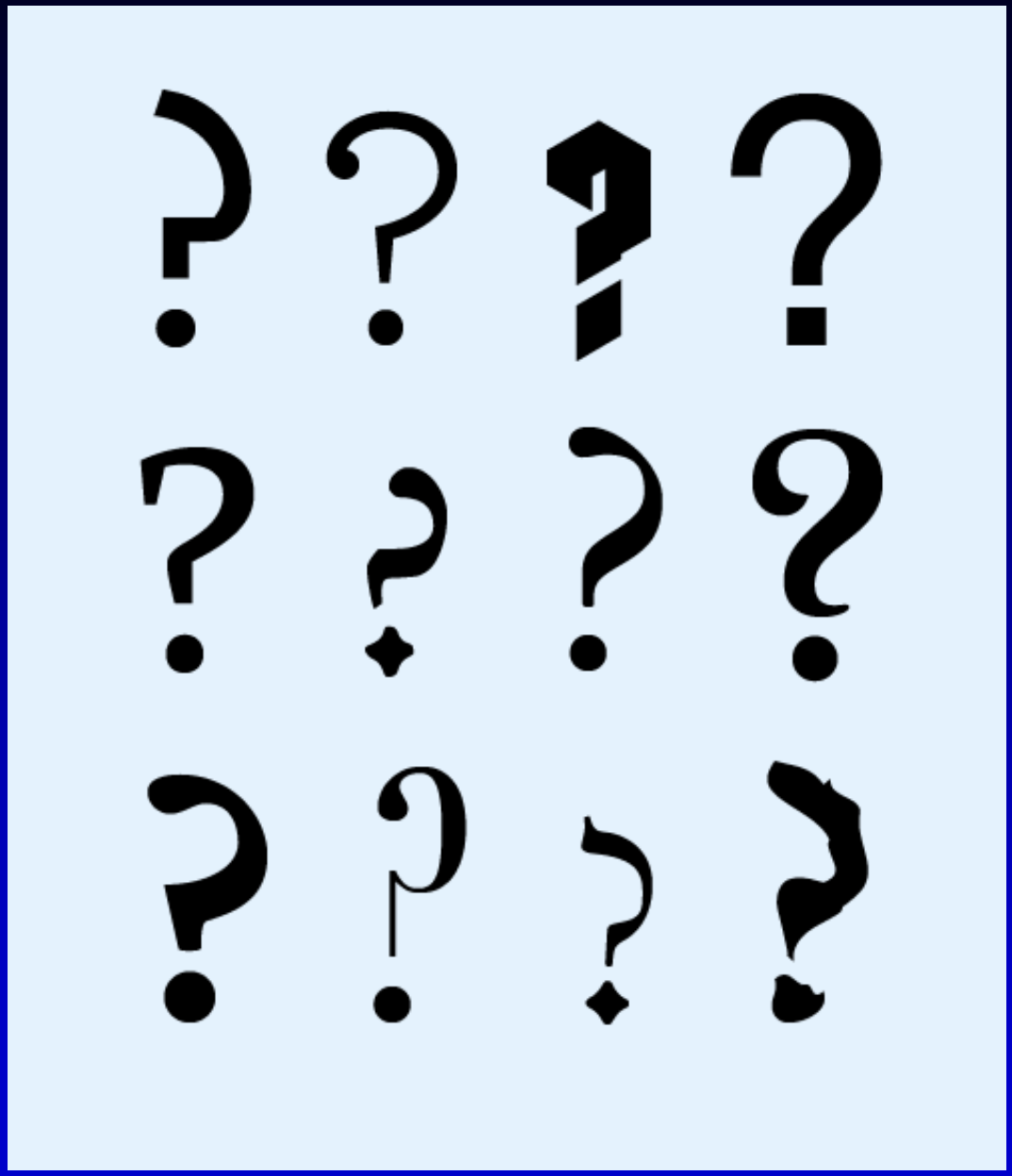
Silk icon set 1.3 courtesy of Mark James.

Fluid Infusion

8

Work Session

Open up theme and skin files, make changes, and review results.



Gary Thompson
gary@unicon.net
www.unicon.net