

MICHIGAN STATE
UNIVERSITY

Beta Presentation

Templatize R Development via Design Thinking The Capstone Experience

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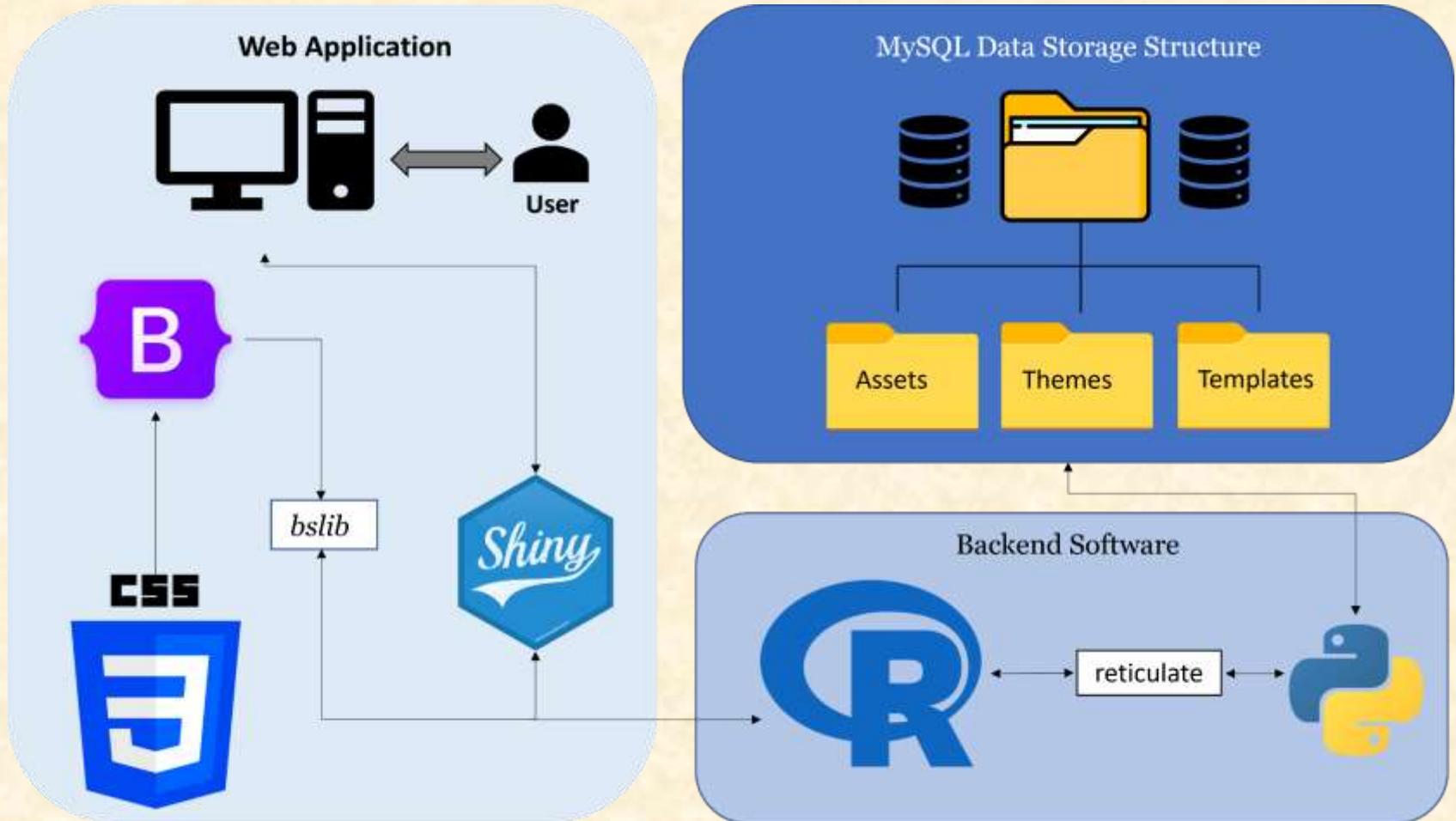
*From Students...
...to Professionals*

Project Overview

- Themes for rshiny applications
 - Professional and customer facing applications
 - Focus on addressing accessibility for various disabilities
- Web application
 - Hosts brand assets
 - Users can download/upload various assets



System Architecture



Theme Previewer

Kellogg's

Themes Assets Upload

Professional Colorful Accessible

Light Dark Light Blue Dark Blue Beige Download

btn-primary Click Me!

btn-secondary Click Me!

Checkbox

Range

Show 10 entries Search:

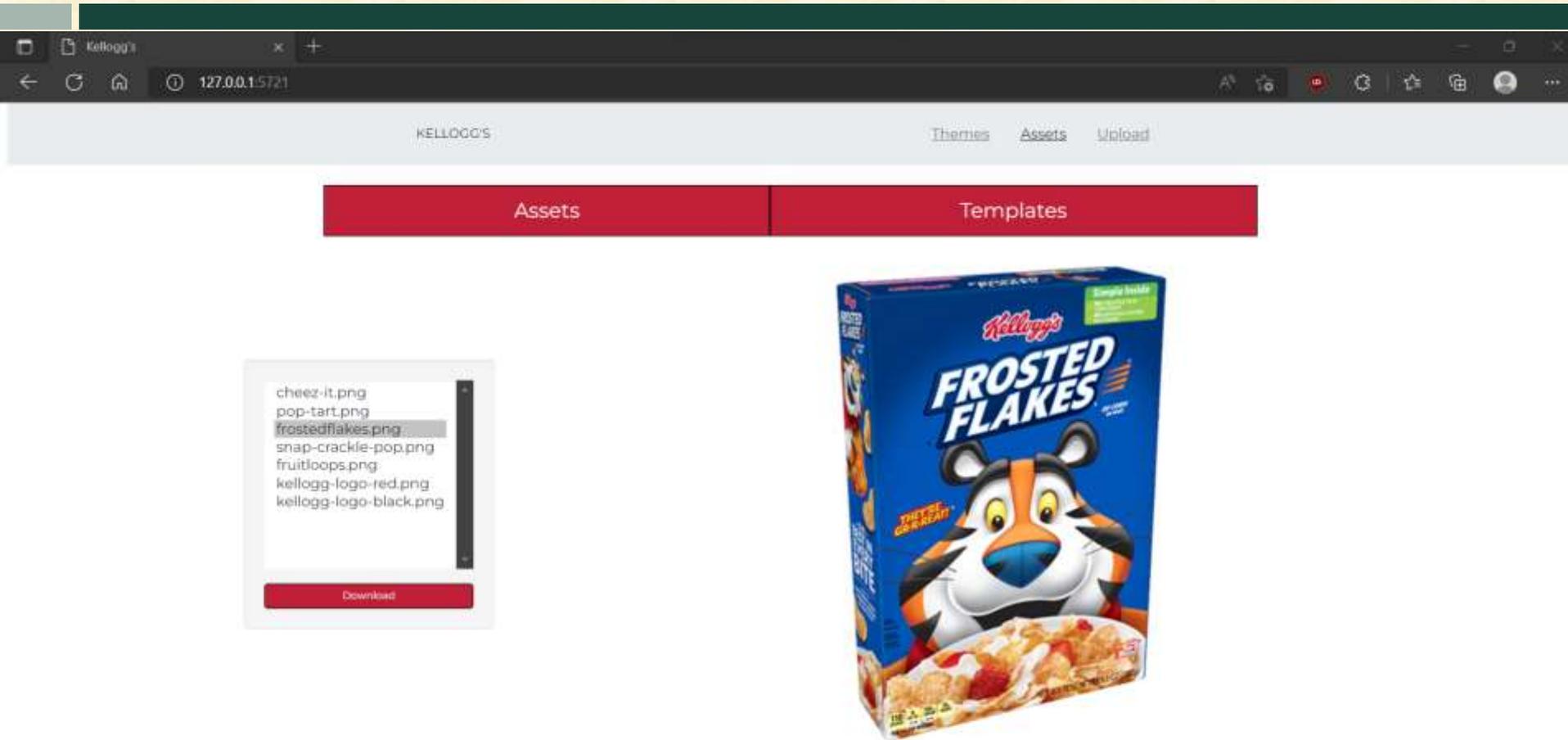
	Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
1	5.1	3.5	1.4	0.2	setosa
2	4.9	3	1.4	0.2	setosa
3	4.7	3.2	1.3	0.2	setosa
4	4.6	3.1	1.5	0.2	setosa
5	5	3.6	1.4	0.2	setosa
6	5.4	3.9	1.7	0.4	setosa
7	4.6	3.4	1.4	0.3	setosa
8	5	3.4	1.5	0.2	setosa
9	4.4	2.9	1.4	0.2	setosa
10	4.9	3.1	1.5	0.1	setosa

Distribution type:

- Normal
- Uniform
- Log-normal
- Exponential

Histogram of dist(500)

Asset Viewer



Upload Page

The screenshot displays the Kellogg's upload interface. At the top, a browser window shows the URL 127.0.0.1:6441. The page header includes the Kellogg's logo and navigation links for Themes, Assets, and Upload. The main content is divided into two sections: Upload and Delete.

Upload Section:

- Themes:** Represented by a monitor icon with a pencil. Below it is a "No file selected" button.
- Assets:** Represented by a laptop icon with pencils. Below it is a "No file selected" button.
- Templates:** Represented by a laptop icon with a document and a chart. Below it is a "No file selected" button.

Delete Section:

- Themes:** A search box is present. The list includes "Professional" (with sub-items: Light, Dark, Light Blue, Dark Blue, Beige) and "Colorful" (with sub-items: Coco Pops, Tony Tiger, Froot Loops). A "Remove" button is at the bottom.
- Assets:** A search box is present. The list includes "Kellogg's logo_white.png", "joyb0l.png", "Asset 38_white.png", "circle2red-shape.png", "Asset 42_white.png", "Asset 63_gray - Copy.png", "Cornelius-squareCharacters_1500.png", "Asset 19_white.png", "Chocovore-squareCharacters_1500.png", and "circle3_white.png". A "Remove" button is at the bottom.
- Templates:** A search box is present. The list includes "Global Data & Analytics_Master Template.pptx" and "GDAG PowerPoint Master v2.pptx". A "Remove" button is at the bottom.

Theme on Kellogg's App

The screenshot displays a web application interface for 'Performance Metrics'. The browser address bar shows '127.0.0.1:3264'. The application header includes the 'Performance Metrics' logo and navigation links for 'Performance Entry' and 'Performance Completion Dashboard'. A 'Request Edit' button is visible on the left, and a 'Logout' link is on the right. The main content area features a table with columns for 'service_provider', 'service_recipient', 'macro_process', 'sub_process', 'year', 'period', 'type_m', and 'metric_name'. Each column has a dropdown menu, most of which are currently set to 'All'. A search bar is located at the top right of the table area. The table contains 12 rows of data, including entries for GSC, Grand Rapids, Queretaro, and Bucharest.

service_provider	service_recipient	macro_process	sub_process	year	period	type_m	metric_name
All	All	All	All				All
GSC	KNA	F&A	Fixed Asset	2022	9	KPI	# Asset Setup Worksheet (A
GSC	KNA	F&A	Fixed Asset	2022	9	KPI	Past Due CIP (Engineering
GSC	KNA	F&A	Fixed Asset	2022	9	KPI	CIP - Manual depreciation
GSC	KNA	F&A	Fixed Asset	2022	9	KPI-AIP	Past Due CIP (GSC group)
GSC	KNA	F&A	Fixed Asset	2022	9	SLA	Reconciling Value of Items
GSC	KNA	F&A	Fixed Asset	2022	9	KPI	% of GL Account Reconcilia
GSC	KNA	F&A	Fixed Asset	2022	9	KPI	% GL Account Reconciliatio
Grand Rapids	KNA	ITC	Deductions	2022	9	Metric	Volume of Deductions Crea
Queretaro	KLA	ITC	Deductions	2022	9	Metric	Volume of Deductions Crea
Queretaro	KLA	ITC	Deductions	2022	9	Metric	Volume of Credits Created f
Grand Rapids	KNA	ITC	Deductions	2022	9	Metric	Volume of Credits Created f
Bucharest	KEU	ITC	Deductions	2022	9	Metric	Volume of Credits Created f

What's left to do?

- Features
- Stretch Goals
 - More Themes
- Other Tasks
 - Check Themes for Contrast Issues
 - Clean Up Code



Questions?

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