

MICHIGAN STATE
UNIVERSITY

Beta Presentation

Templatize R Development via Design Thinking

The Capstone Experience

Team Kellogg's

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From Students...
...to Professionals

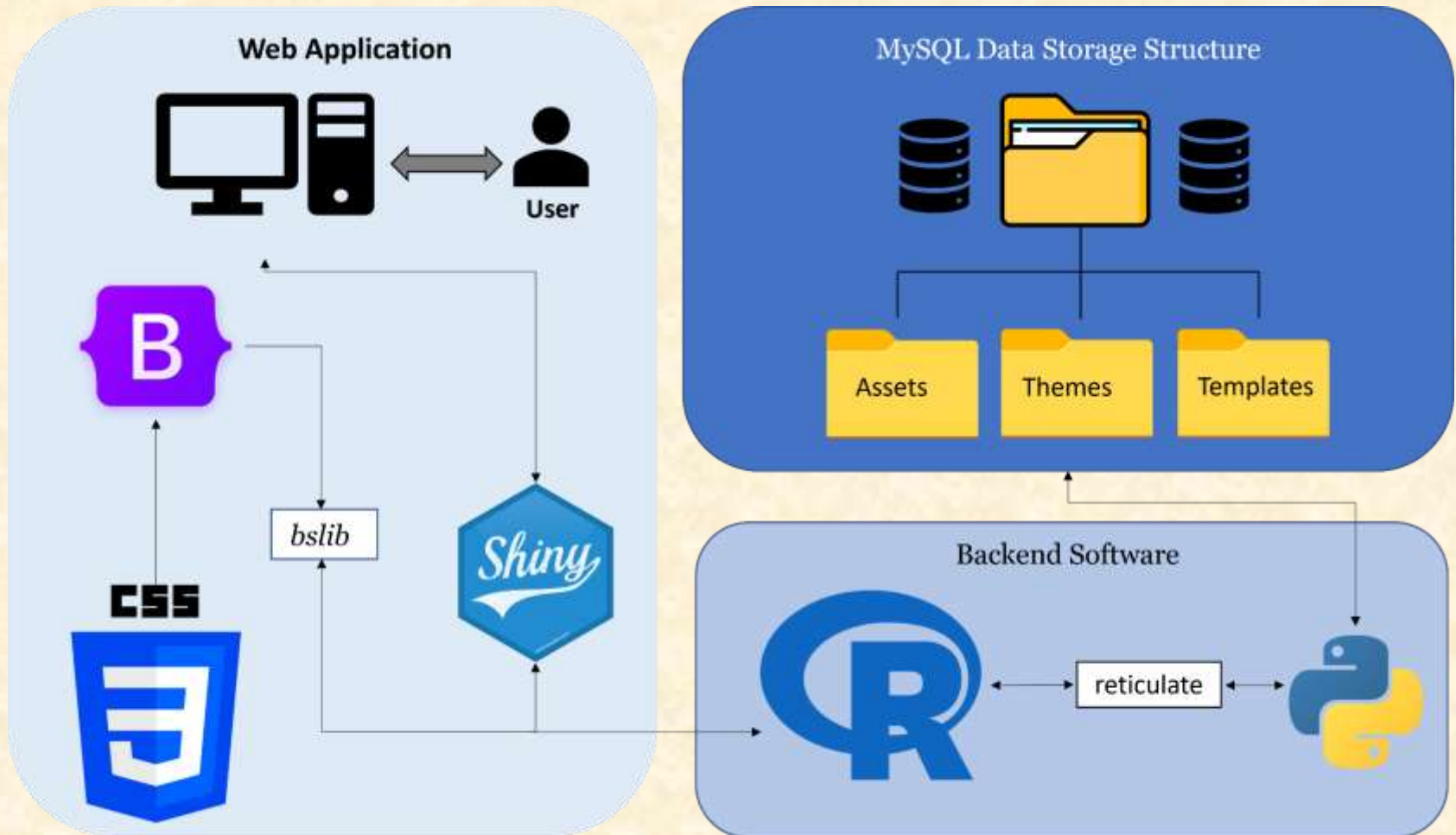
Department of Computer Science and Engineering
Michigan State University

Fall 2022


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



ThemesAssetsUpload

ProfessionalColorfulAccessible

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

Showing 1 to 10 of 150 entries

Previous12345—15Next

Distribution type:

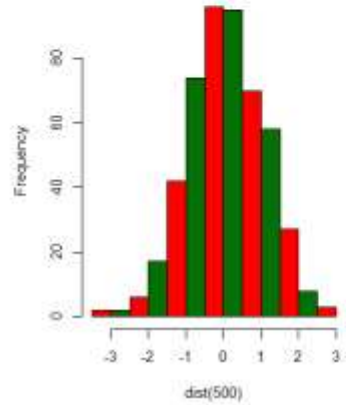
☐ Normal

☐ Uniform

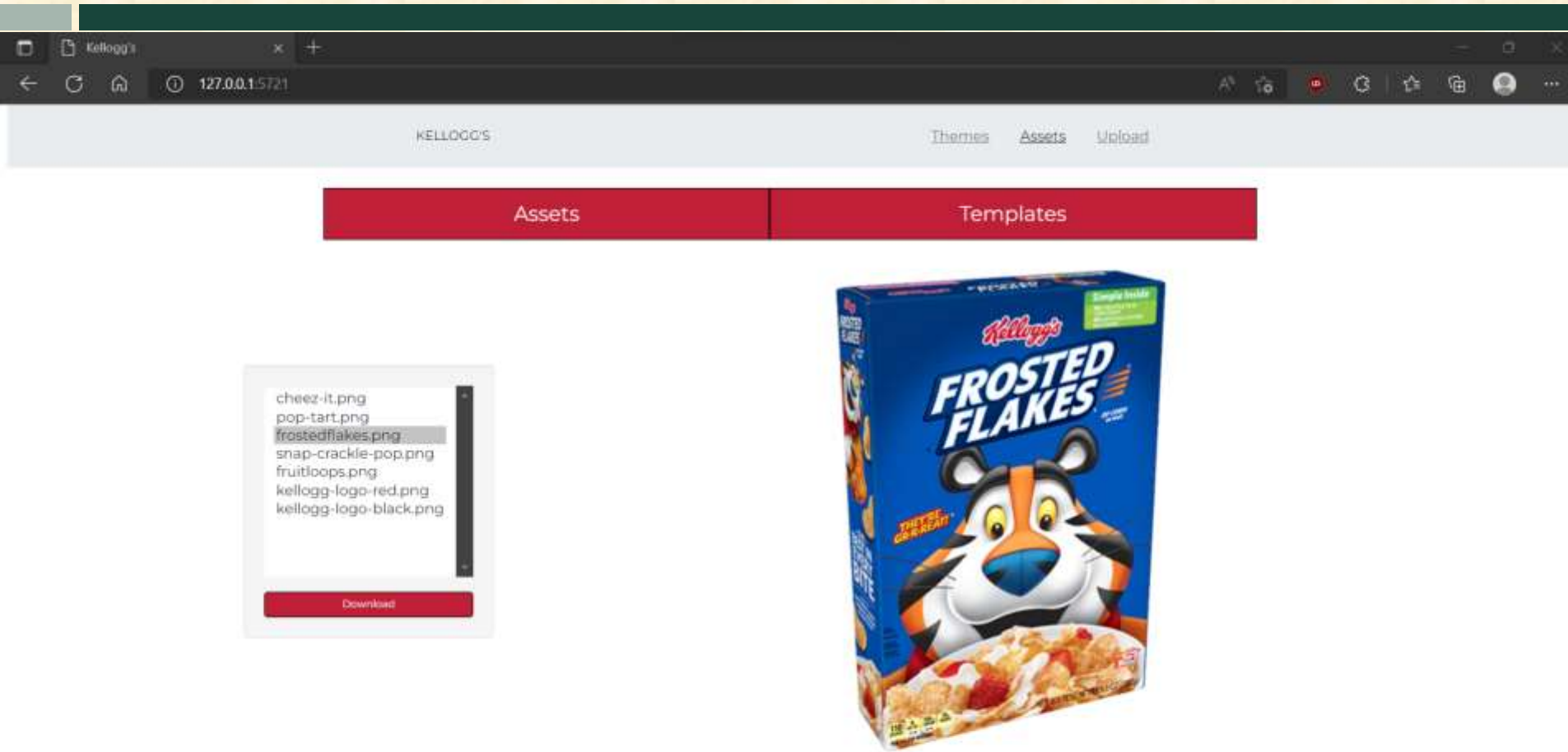
☐ Log-normal

☐ Exponential

Histogram of dist(500)



Asset Viewer



Upload Page

Kellogg's

127.0.0.1:6441


Guest

Kellogg's


ThemesAssetsUpload

Upload

Help




Themes



No file selected

Assets



No file selected

Templates

Delete

Search

Professional

Light

Dark

Light Blue

Dark Blue

Beige

Colorful

Coco Pops

Tony Tiger

Froot Loops

Remove

Themes

Search

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

circle3_white.png

Remove

Assets


Search

Global Data & Analytics_Master Template.pptx

GDAG PowerPoint Master v2.pptx

Remove

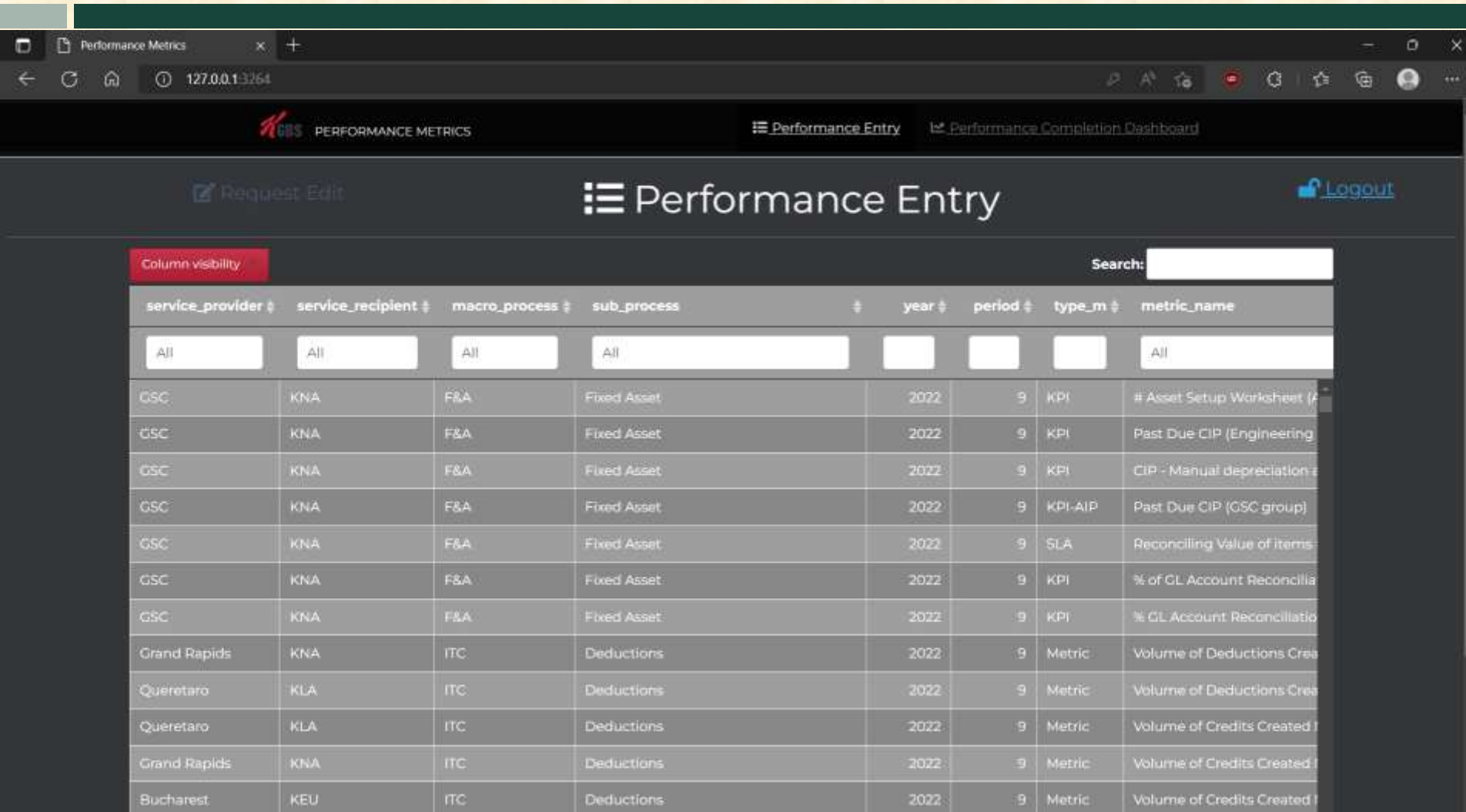
Templates

 The Capstone Experience

Team Kellogg's Beta Presentation

6

Theme on Kellogg's App



Column visibility

Search:

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 CL Account Reconcilia
GSC	KNA	F&A	Fixed Asset	2022	9	KPI	% CL 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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