

MICHIGAN STATE
UNIVERSITY

Alpha Presentation

Templatize R Development via Design Thinking

The Capstone Experience

Team Kellogg's

Savvy Barnes

Matt Dirisio

Tolu Fashina

Devin Masiak

Jonathan Shomali

Department of Computer Science and Engineering
Michigan State University



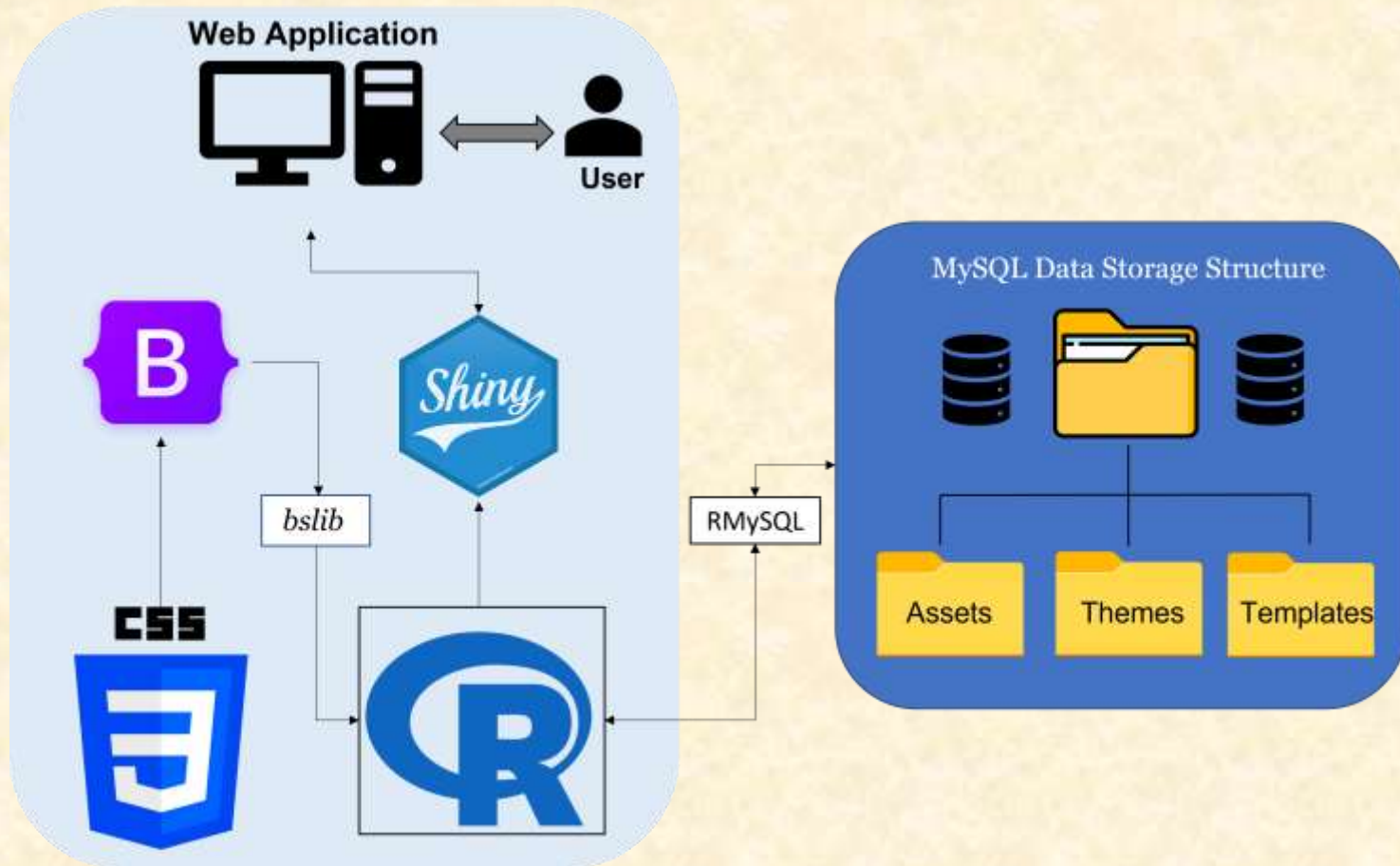
From Students...
...to Professionals

Fall 2022

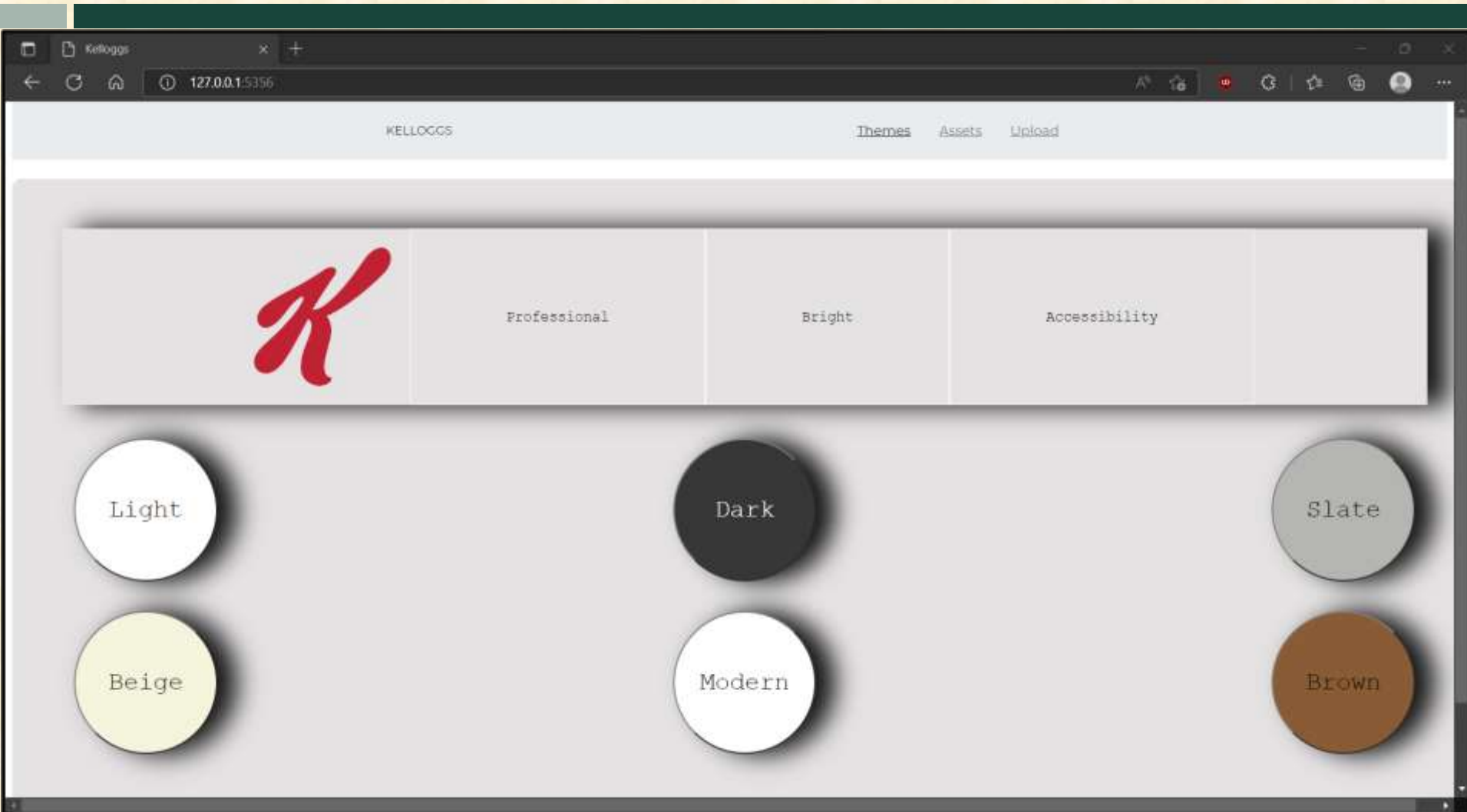
Project Overview

- Themes for rshiny applications
 - For professional and customer facing applications
 - That focus on addressing accessibility for various disabilities
- Web application to host brand assets
 - Users can download/upload various assets
 - These include images/themes/pdfs/slide templates

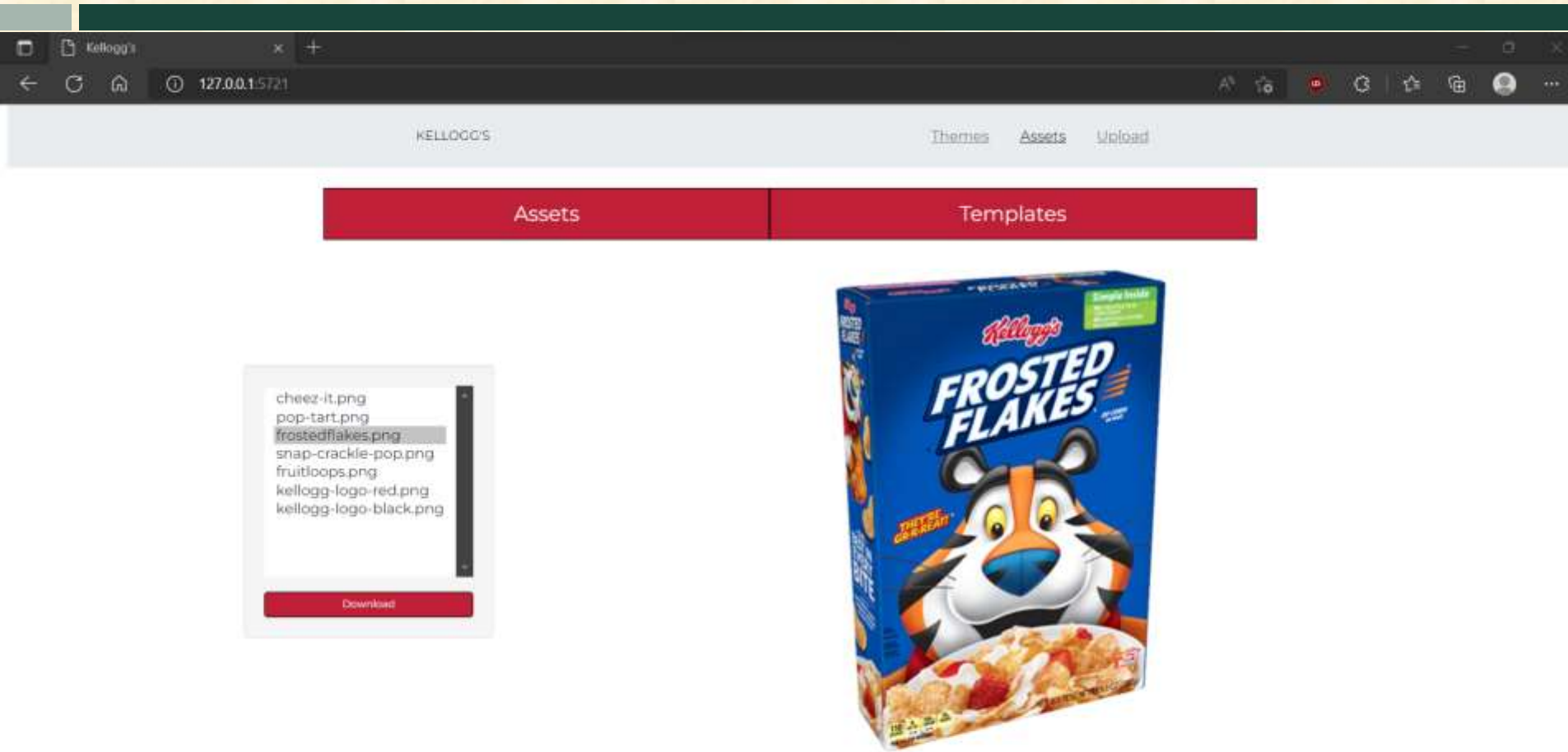
System Architecture



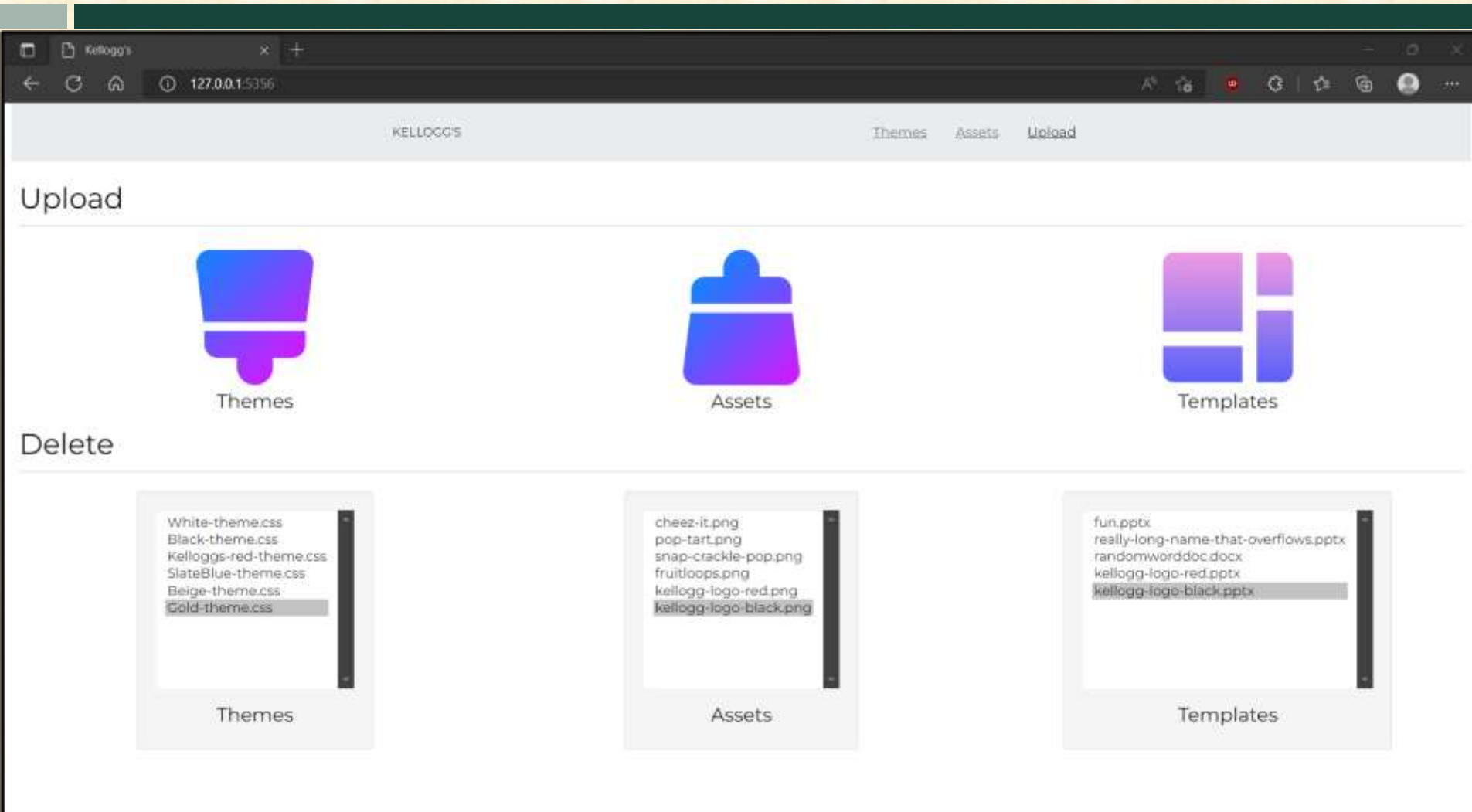
Theme Previewer



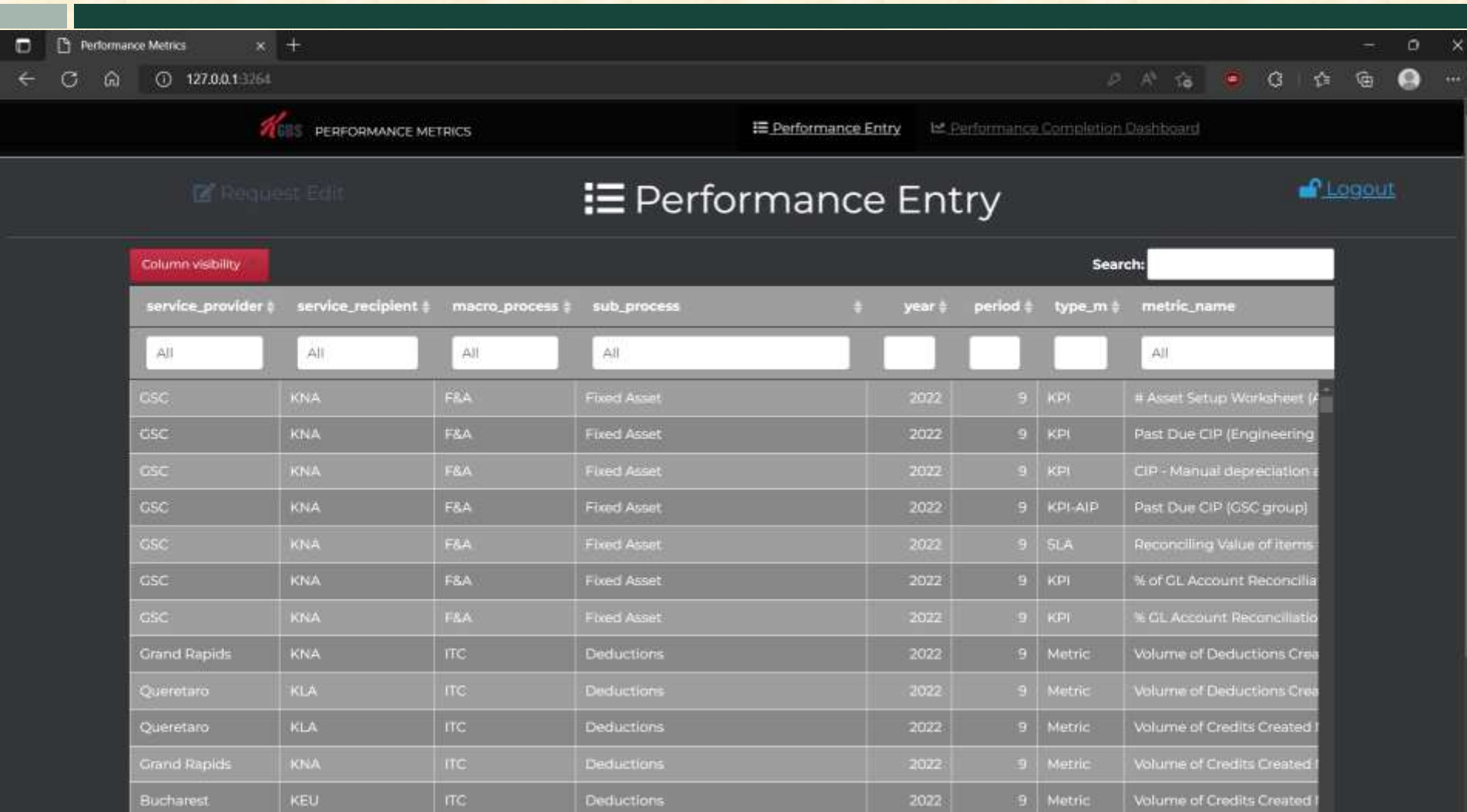
Asset Viewer



Upload Page



Theme on Kellogg's App



The screenshot shows a web browser window displaying the 'Performance Metrics' application. The browser's address bar shows the URL '127.0.0.1:3264'. The application header includes a logo, the title 'PERFORMANCE METRICS', and navigation links for 'Performance Entry' and 'Performance Completion Dashboard'. A 'Request Edit' link is visible on the left, and a 'Logout' link is on the right. The main content area is titled 'Performance Entry' and features a 'Column visibility' toggle and a search bar. Below these is a table with columns for 'service_provider', 'service_recipient', 'macro_process', 'sub_process', 'year', 'period', 'type_m', and 'metric_name'. 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 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?

- Populate database
- Integrate the database with our application
- Finish the theme previewer
- Create more themes and polish existing ones
- Verify themes meet ADA/WCAG 2.0 standards
- Make upload page functional

Questions?

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