

MICHIGAN STATE

UNIVERSITY

Beta Presentation

Application Lifecycle Framework

The Capstone Experience

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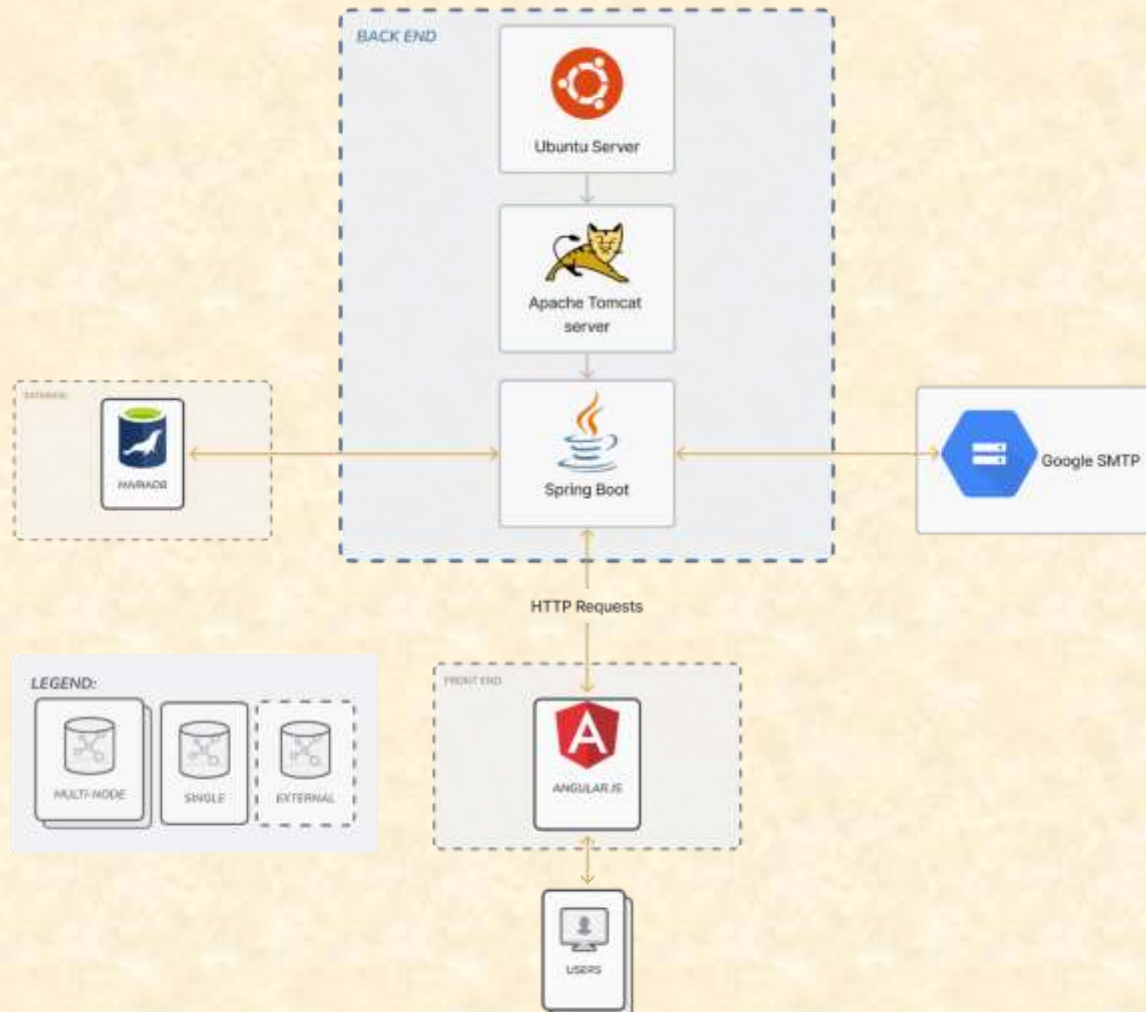
*From Students...
...to Professionals*

Project Overview

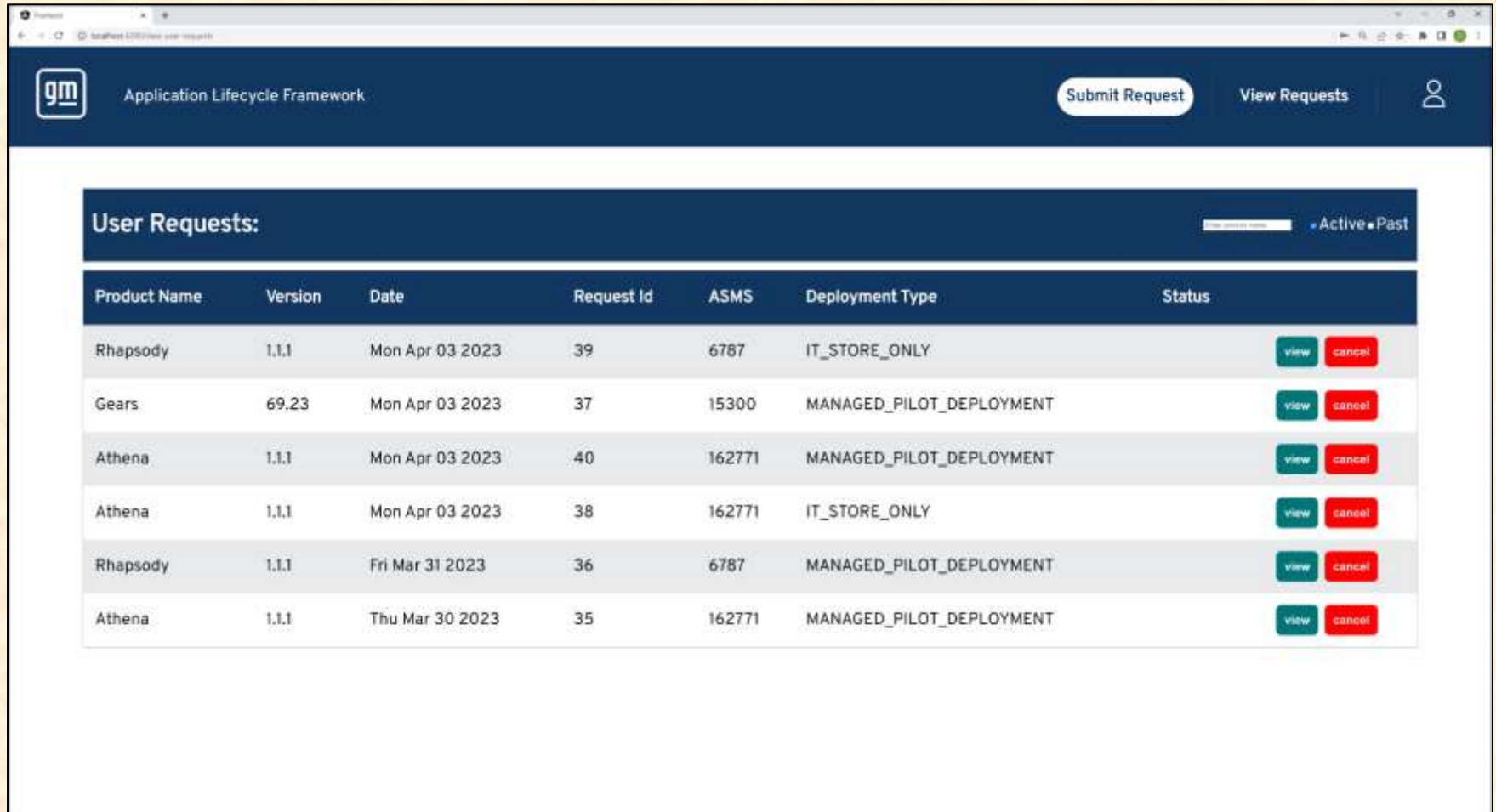
- Create application to manage approval and distribution process for applications to company devices
- GM previously used Sharepoint, but Sharepoint is converting to Sharepoint Cloud
- Keep requestors and engineers updated on all processes



System Architecture



User Requests Table

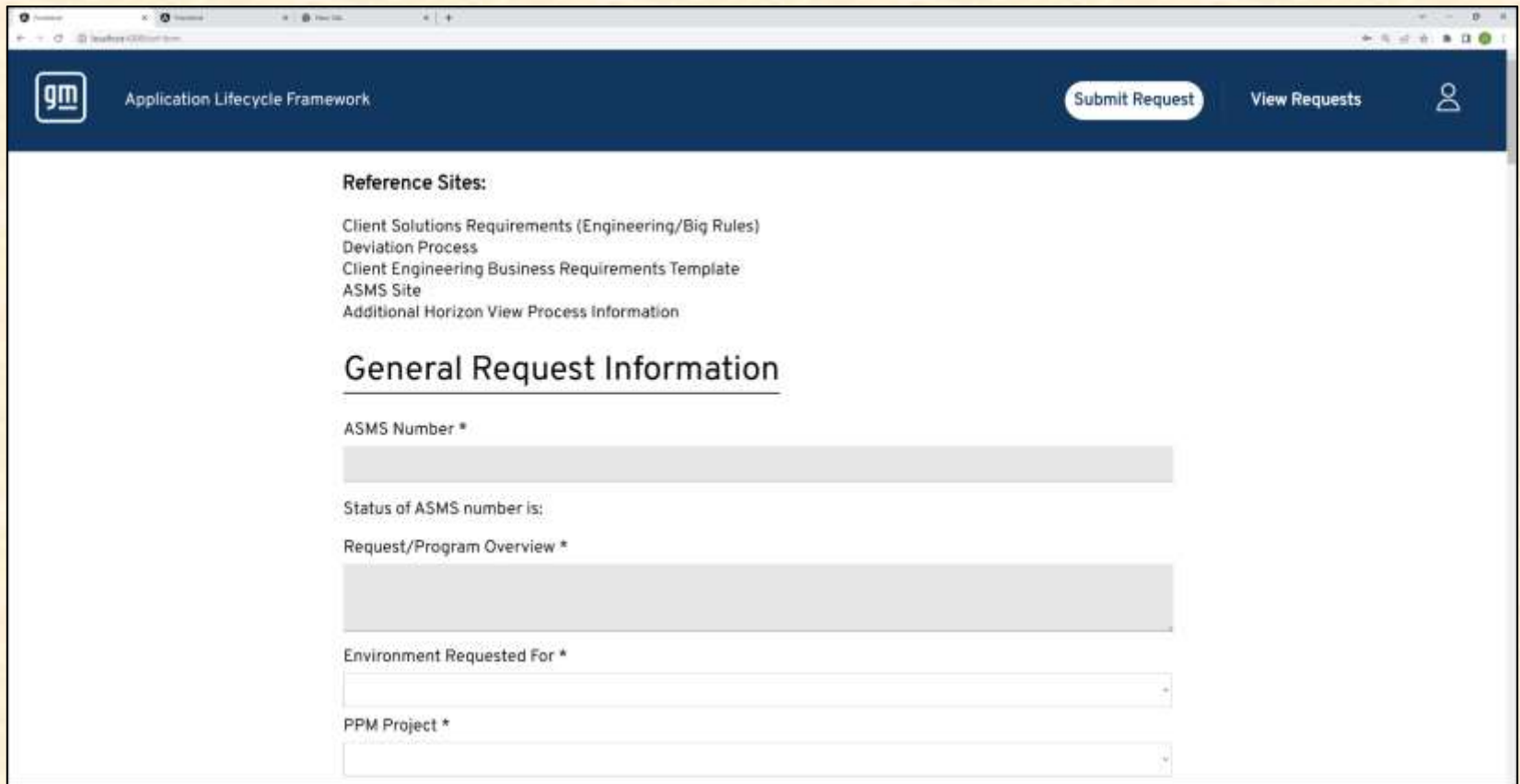


The screenshot shows a web application interface for the 'Application Lifecycle Framework'. At the top, there is a navigation bar with the GM logo, the text 'Application Lifecycle Framework', a 'Submit Request' button, a 'View Requests' link, and a user profile icon. Below the navigation bar, the main content area is titled 'User Requests:' and includes a filter for 'Active' and 'Past' requests. The table below lists several requests with columns for Product Name, Version, Date, Request Id, ASMS, Deployment Type, and Status. Each row has 'view' and 'cancel' buttons.

Product Name	Version	Date	Request Id	ASMS	Deployment Type	Status
Rhapsody	1.1.1	Mon Apr 03 2023	39	6787	IT_STORE_ONLY	view cancel
Gears	69.23	Mon Apr 03 2023	37	15300	MANAGED_PILOT_DEPLOYMENT	view cancel
Athena	1.1.1	Mon Apr 03 2023	40	162771	MANAGED_PILOT_DEPLOYMENT	view cancel
Athena	1.1.1	Mon Apr 03 2023	38	162771	IT_STORE_ONLY	view cancel
Rhapsody	1.1.1	Fri Mar 31 2023	36	6787	MANAGED_PILOT_DEPLOYMENT	view cancel
Athena	1.1.1	Thu Mar 30 2023	35	162771	MANAGED_PILOT_DEPLOYMENT	view cancel



Client Service Request Form



The screenshot shows a web browser window displaying the 'Application Lifecycle Framework' interface. The top navigation bar includes the GM logo, the text 'Application Lifecycle Framework', and buttons for 'Submit Request' and 'View Requests'. A user profile icon is also present. The main content area is titled 'Reference Sites:' and lists several links: 'Client Solutions Requirements (Engineering/Big Rules)', 'Deviation Process', 'Client Engineering Business Requirements Template', 'ASMS Site', and 'Additional Horizon View Process Information'. Below this is a section titled 'General Request Information' with a list of required fields: 'ASMS Number *', 'Status of ASMS number is:', 'Request/Program Overview *', 'Environment Requested For *', and 'PPM Project *'. Each field is represented by a greyed-out input box.

Reference Sites:

- Client Solutions Requirements (Engineering/Big Rules)
- Deviation Process
- Client Engineering Business Requirements Template
- ASMS Site
- Additional Horizon View Process Information

General Request Information

ASMS Number *

Status of ASMS number is:

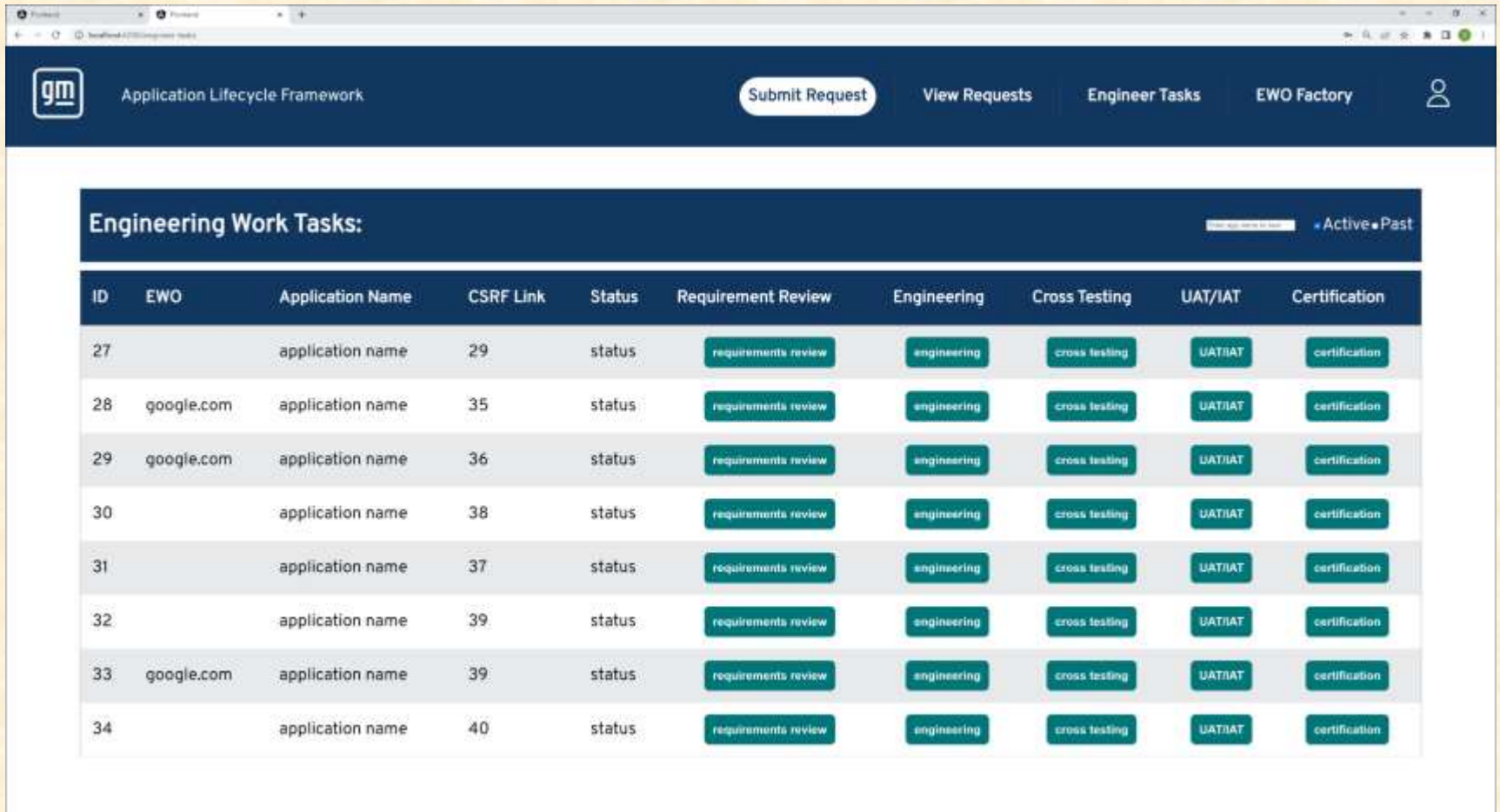
Request/Program Overview *

Environment Requested For *

PPM Project *



Engineer Work Task Table



The screenshot displays a web application interface for the 'Application Lifecycle Framework'. The top navigation bar includes the GM logo, the text 'Application Lifecycle Framework', and several buttons: 'Submit Request', 'View Requests', 'Engineer Tasks', and 'EWO Factory'. A user profile icon is visible on the right. Below the navigation bar, a section titled 'Engineering Work Tasks:' contains a table with 10 columns and 8 rows of data. The table columns are: ID, EWO, Application Name, CSRF Link, Status, Requirement Review, Engineering, Cross Testing, UAT/IAT, and Certification. Each row represents a task with a unique ID and CSRF link, and each cell in the 'Requirement Review' through 'Certification' columns contains a button with the corresponding task name.

ID	EWO	Application Name	CSRF Link	Status	Requirement Review	Engineering	Cross Testing	UAT/IAT	Certification
27		application name	29	status	requirements review	engineering	cross testing	UAT/IAT	certification
28	google.com	application name	35	status	requirements review	engineering	cross testing	UAT/IAT	certification
29	google.com	application name	36	status	requirements review	engineering	cross testing	UAT/IAT	certification
30		application name	38	status	requirements review	engineering	cross testing	UAT/IAT	certification
31		application name	37	status	requirements review	engineering	cross testing	UAT/IAT	certification
32		application name	39	status	requirements review	engineering	cross testing	UAT/IAT	certification
33	google.com	application name	39	status	requirements review	engineering	cross testing	UAT/IAT	certification
34		application name	40	status	requirements review	engineering	cross testing	UAT/IAT	certification



View Request Form

gm Application Lifecycle Framework

Submit Request View Requests

CSR Request Submitted Complete

Request Assigned and Processed Incomplete

Request Engineered Incomplete

Request Implemented Incomplete

General Request Information

ASMS Number *
162771

Request/Program Overview *
New app for manufacturing...

Environment Requested For *
GM Only

PPM Project *
Yes

Product/Application Name
Solidworks

Sub Application Name



EWO Factor Number Form

The screenshot shows a web browser window displaying the 'EWO Factory Number' form. The browser's address bar shows 'http://localhost:4200/...'. The page header includes the GM logo, 'Application Lifecycle Framework', and navigation links: 'Submit Request', 'View Requests', 'Engineer Tasks', and 'EWO Factory'. The form itself has the following fields:

- Title ***: A text input field.
- Discipline (The functional team the EWO number is being generated for.)**: A dropdown menu.
- Engineer Name**: A text input field.
- Descriptions and Comments**: A large text area.

At the bottom of the form are two buttons: a red 'Cancel' button and a green 'Submit' button.

Below the form is a table with the following data:

Title	Dicipline	Engineer Name	Official EWO Number	Created
qrag	CE	10	CE23001	2023-03-28



What's left to do?

- Features
- Stretch Goals
 - Extend app functionality to track deployment status
 - Add extra details to Chevron Diagram
 - Add function to see all tasks for engineers
- Other Tasks
 - Font Size and General Color changes
 - Navigation Bar Highlight Issue
 - Consult with GM as changes are made



Questions?

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