

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

# Alpha Presentation

## Application Lifecycle Framework 2.0

### The Capstone Experience

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Fall 2023



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

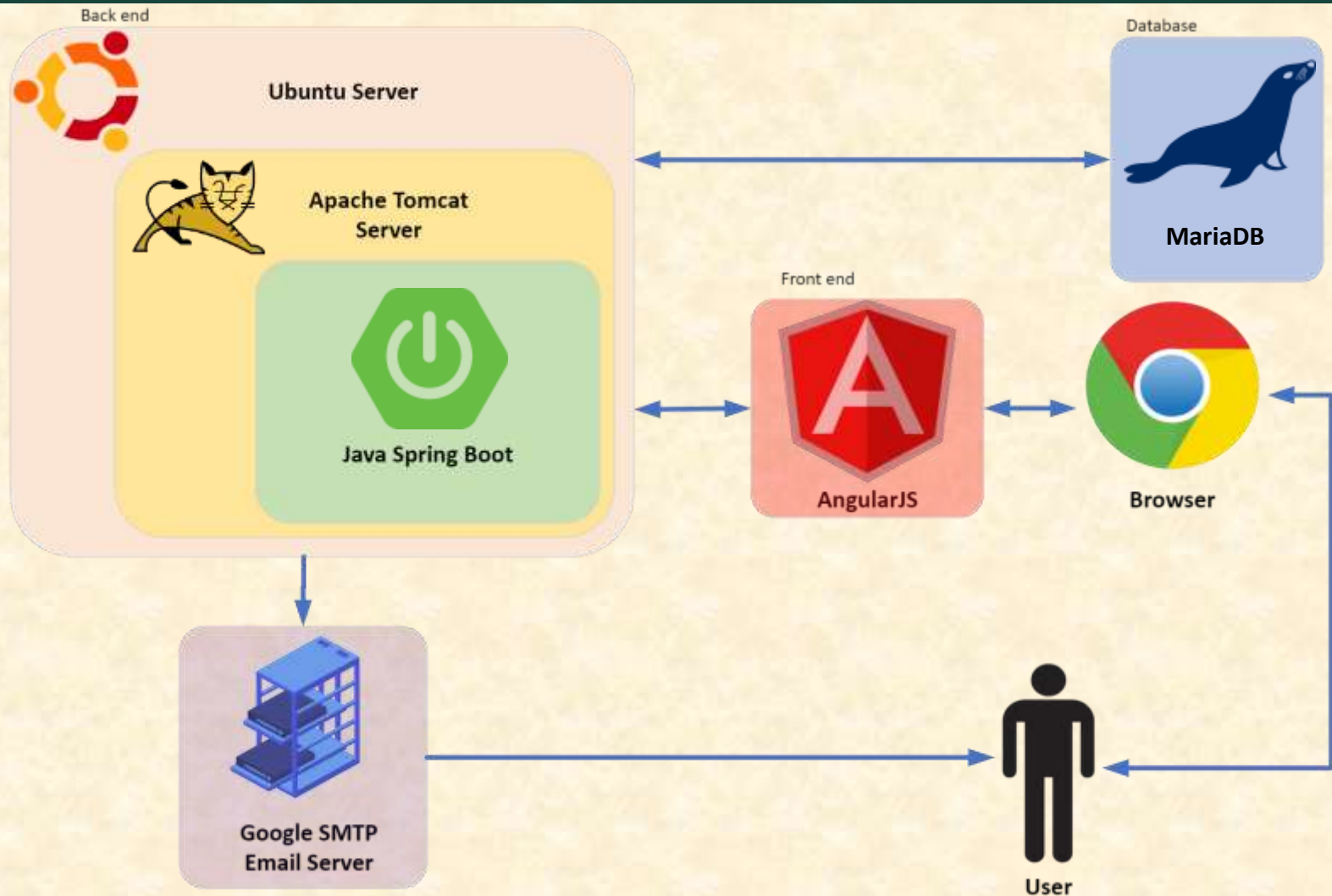
# Project Overview

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- Streamlines workflow management and software distribution
- Extending the application's functionality from previous team
- Notifies, visualizes, and validates the deployment process for engineers



# System Architecture



# CSRF Overview

The screenshot displays a web browser window with the URL `localhost:4200/request-page`. The page header includes the GM logo and the text "Application Lifecycle Framework". Navigation buttons for "Submit Request", "View Requests", "Engineer Tasks", and "EWO Factory" are visible. The main content area features a flow diagram titled "Client Solutions Request Form (CSRF) High-level Overview".

**Client Solutions Request Form (CSRF) High-level Overview**

```
graph LR; A[CSRF Request Submitted] --> B[Request Processed and Assigned]; B --> C[Request Engineered]; C --> D[Request Implemented];
```

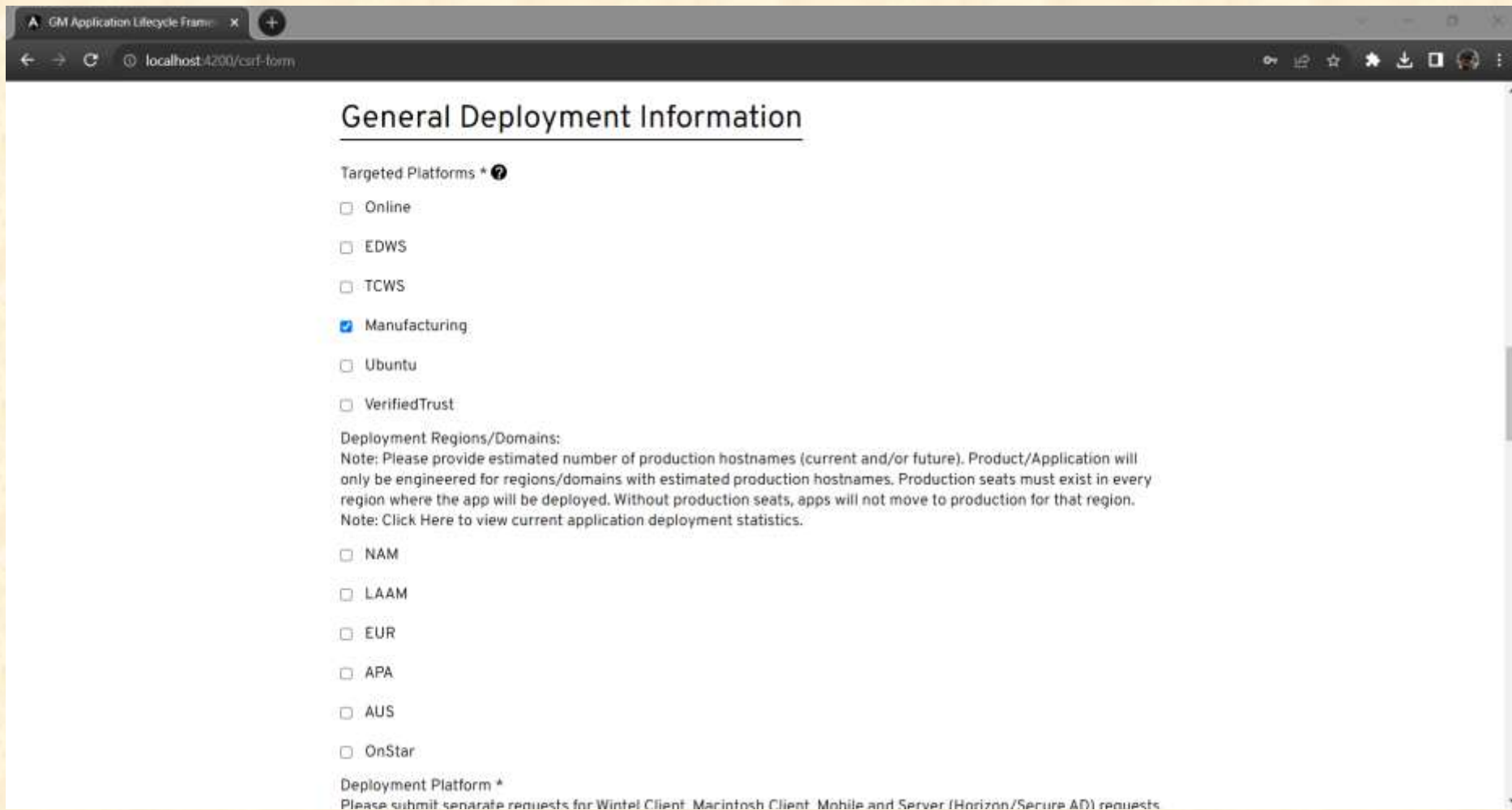
**Register your app in the ASMS system and follow the big rule links**

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

[CSRF Form](#)




# Targeted Platforms



GM Application Lifecycle Framework

localhost:4200/csrf-form

## General Deployment Information

Targeted Platforms \* 

- Online
- EDWS
- TCWS
- Manufacturing
- Ubuntu
- VerifiedTrust

Deployment Regions/Domains:  
Note: Please provide estimated number of production hostnames (current and/or future). Product/Application will only be engineered for regions/domains with estimated production hostnames. Production seats must exist in every region where the app will be deployed. Without production seats, apps will not move to production for that region.  
Note: [Click Here](#) to view current application deployment statistics.

- NAM
- LAAM
- EUR
- APA
- AUS
- OnStar

Deployment Platform \*  
Please submit separate requests for Wintel Client, Macintosh Client, Mobile and Server (Horizon/Secure AD) requests.



# User Requests

The screenshot displays the 'View Requests' interface within the GM Application Lifecycle Framework. The page header includes the GM logo and navigation links for 'Submit Request', 'View Requests', 'Engineer Tasks', and 'EWO Factory'. The main content area is titled 'User Requests:' and features a search bar for 'Enter product name' and radio buttons for 'Active' and 'Past' requests. Below this is a table listing various user requests.

Product Name	Version	Date	Request Id	Status	Deployment Type	Priority	Actions
Reflection Desktop	1.2.6	Wed Oct 04 2023	106520	Not Started	MANAGED_PILOT_PRODUCTION_DEPLOYMENT	mid	review
Asset Manager	12	Tue Oct 03 2023	106508	Not Started	IT_STORE_ONLY	mid	review
Asset Manager	1.0.0	Mon Oct 02 2023	106506	Not Started	IT_STORE_ONLY	mid	review
Asset Manager	65	Thu Sep 28 2023	106497	Not Started	IT_STORE_ONLY	mid	review
Asset Manager	64	Thu Sep 28 2023	106496	Not Started	IT_STORE_ONLY	mid	review
Asset Manager	55	Thu Sep 28 2023	106493	Not Started	IT_STORE_ONLY	mid	review
Asset Manager	12	Thu Sep 28 2023	106489	Not Started	IT_STORE_ONLY	mid	review
DOORS	12	Thu Sep 28 2023	106488	Not Started	IT STORE ONLY	mid	review



# Engineering Work Tasks

The screenshot displays the GM Application Lifecycle Framework interface. The top navigation bar includes the GM logo, the text "Application Lifecycle Framework", and several menu items: "Submit Request", "View Requests", "Engineer Tasks" (which is highlighted), and "EWO Factory". A user profile icon is visible on the right side of the navigation bar.

The main content area is titled "Engineering Work Tasks:" and features a search input field labeled "Enter app name or ewo" and three filter buttons: "Active", "Past", and "All". Below this is a table with the following data:

ID	EWO	Application Name	CSRF Link	Requirement Review	Engineering	Cross Testing	UAT/IAT	Certification
147		Reflection Desktop	106498	<a href="#">requirements review</a>	<a href="#">engineering</a>	<a href="#">cross testing</a>	<a href="#">UAT/IAT</a>	<a href="#">certification</a>
145		Rhapsody	106500	<a href="#">requirements review</a>	<a href="#">engineering</a>	<a href="#">cross testing</a>	<a href="#">UAT/IAT</a>	<a href="#">certification</a>

At the bottom of the interface, there is a section titled "Deployment Tasks:" with a search input field labeled "Enter app name or ewo" and filter buttons for "Active", "Past", and "All".



# Requirements Review

GM Application Lifecycle Frame

localhost:4200/requirements-review-formid=147

HV AD Group Name

**Task Status**

Assigned To - Requirements Review \*

Cirenese, David

Task Comments - Requirements Review

Task Status - Requirements Review \*

**Links**

- [Link to Big Rules](#)
- [Link to Engineering Standards Process Site](#)
- [Link to Requirements Templates](#)
- [Link to LOB Functional Groups Spreadsheet](#)

Discard Changes Save Submit





# EWO Factory

The screenshot shows a web browser window with the URL localhost:4200/ewo-factory. The application header includes the GM logo, the text 'Application Lifecycle Framework', and navigation links for 'Submit Request', 'View Requests', 'Engineer Tasks', and 'EWO Factory'. A dark blue button labeled 'Add EWO' is positioned above a table. The table lists four EWO entries with columns for Title, Discipline, Engineer Name, Official EWO Number, and Created date.

Title	Dicipline	Engineer Name	Official EWO Number	Created
Teamcenter Engineering	HV	10	HV23001	2023-04-10
Git	CE	16	CE23001	2023-04-10
Asset Manager EWO	HV	16	HV23002	2023-04-11
TEST	CM	19	CM23001	2023-09-28



# What's left to do?

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- Implement jQuery scripts
- View logs on the site
- Removals Form
- GPO form
- Enhance Deployment Task page
- Enhance P2P process



# Questions?

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