



PROJECT METRICS ANALYZER

Citi CAP Training, 2018 Project Fair
August 28, 2018



Business Problem

Technical Head -
Difficulty in viewing projects across metrics.

Manager – Difficulty in viewing metrics of corresponding project across time period.



Target Audience

Technical Head
Project Manager



Solution

Build a web interface , to capture various metrics of projects and represent the comparative data across projects graphically.

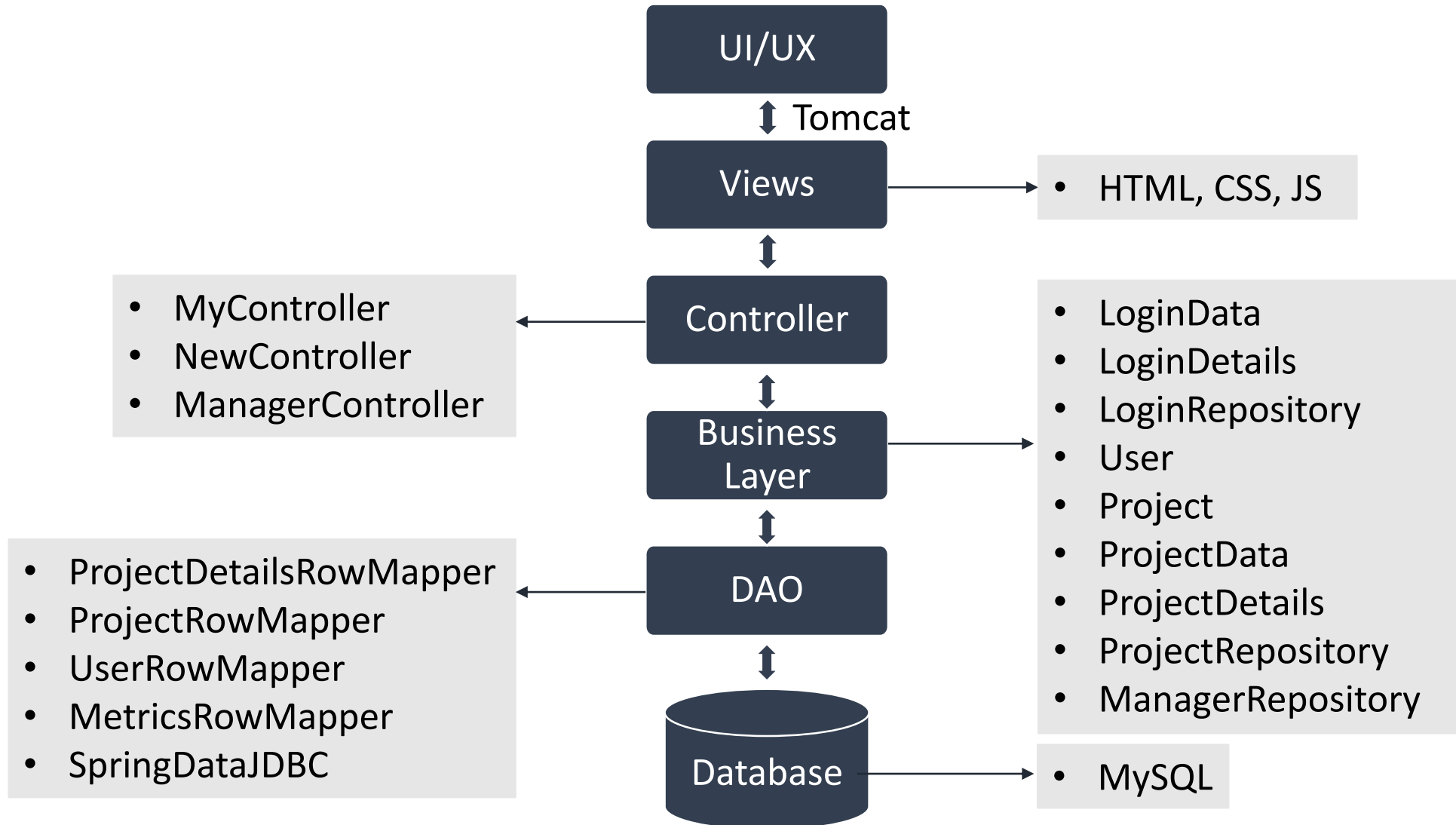
CLIENT NEEDS

Technical Head Project Manager	Login Management
Technical Head	<ul style="list-style-type: none">• Add/modify/delete the list of projects, list of metrics• Visualize the metrics across projects across time periods graphically
Project Manager	<ul style="list-style-type: none">• Enter the data for all the metrics month wise for his project.• Visualize the metrics across months of his project graphically

TOOLS AND TECHNOLOGIES

Application Server	<ul style="list-style-type: none">• Tomcat
GUI Interface	<ul style="list-style-type: none">• SpringBoot• Thymeleaf• Java Server Side• Google Graph API
Database	<ul style="list-style-type: none">• MySQL
Architecture	<ul style="list-style-type: none">• MVC (UI \leftrightarrow business logic \leftrightarrow datalayer)

APPLICATION DESIGN PROCESS



LEARNINGS	FUTURE SCOPE
<ul style="list-style-type: none">• Springboot + Thymeleaf• Teamcity Deployment• .git bash• Integration of different functionalities• Logging by log4j	<ul style="list-style-type: none">• Extension of project to multiple technical heads• Multiple projects to single manager• Automation of metrics allocation based on project characteristics• Report generation based on performance of projects• Automatic analysis of metrics

KEY PERSONNEL

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THANK YOU!