MICHIGAN STATE UNIVERSITY

Alpha Presentation Product Development Portfolio and Planning

The Capstone Experience Team DRIVEN-4

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Department of Computer Science and Engineering Michigan State University Spring 2019

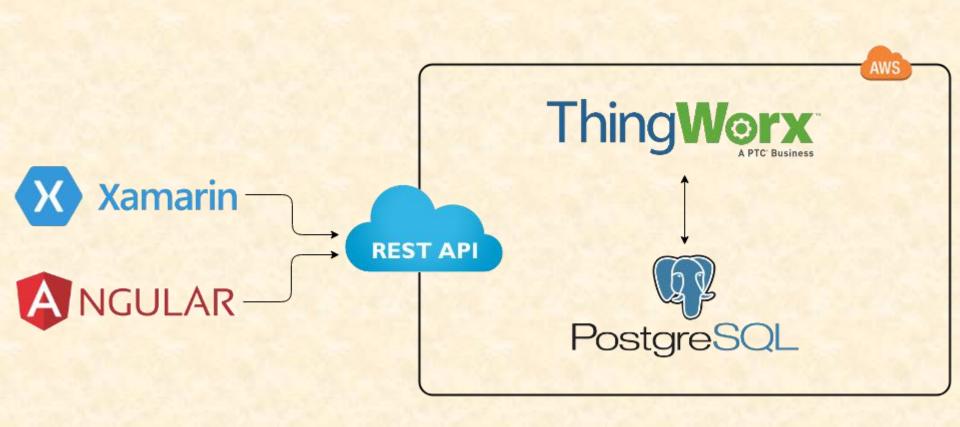


From Students... ...to Professionals

Project Overview

- Gives an overview of portfolios that contain multiple projects.
- Provides graphs to view project plan forecast.
- Allows managers to track execution of a project to ensure timely completion and also keep track of resources/capacity.
- Allows project manager to define and baseline an interactive 10-year product plan.
- Allows employees to log their weekly hours.

System Architecture



Cost Center Head Count

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Add Departme	ent Submit															
Cost	Center: Desi	ign (#10501)						Curr	ent for Budget Yea	r 2019					
Department	Role	Burn Rate HR	Туре	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Tota
Vehicle Design	Engineer	150	Budget	2	2	2	2	2	2	2	2	4	4	3	3	30
			Actual													
	Designer	125	Budget	2	2	2	2	2	2	3	3	4	4	4	2	32
			Actual													
	Technician	n 100	Budget	2	2	2	2	1	3	2	2	3	3	3	3	28
			Actual													
Drives Design	Engineer	ineer 150	Budget	2	2	2	2	2	1	1	1	4	3	4	3	27
			Actual													
	Designer	125	Budget	2	2	2	2	2	3	1	1	3	4	3	4	29
			Actual													
	Technician	100	Budget	2	2	2	2	1	2	1	1	4	4	3	2	26
				Actual												

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Web Application Track Execution Graph



The Capstone Experience

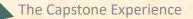
Team DRIVEN-4 Alpha Presentation

Web Application Timesheet

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			2019-	02-18			
Project	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Project2	0	2	7	2	4	7	0
Project3	0	4	4	3	2	5	0
			Total: 4	0 hours			

Expenses Capital Submit

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Mobile Track Execution And Timesheet



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PROJECT		Мо	Tu	We	Th	Fr	Sa
Project2	0	2	7	2	4	7	0
Project3	0	4	4	3	2	5	0
Switch to Capit	al			Total: 40 Ho	urs	Su	bmit

What's left to do?

- Implement product planning component.
- Implement scenario planning module in portfolio planning component.
- Add view updates module to automatically show any changes made to forecast by managers.
- Interface that provides a method for the project manager and the cost center manager to agree on forecast.
- Creating and managing user roles.

Questions?

