



# Project Asset Manager


Group 7: Ali, Danny, Peter, Yaze and Zaid



# A better way to manage your projects.

It's 9 AM. Do you know where your developers are?

With Project Asset Manager, you can keep a close eye on each contract, role and requirements, all in one handy app.






# Proactive, not Reactive

A fully-scalable enterprise service, Project Asset Manager equips project managers with the tools they need to ensure their jobs are getting done on time and in budget.

*Expanded functionality available upon request.*



“I wish I had something like Project Asset Manager when working on Project #3. Well done, everyone!”

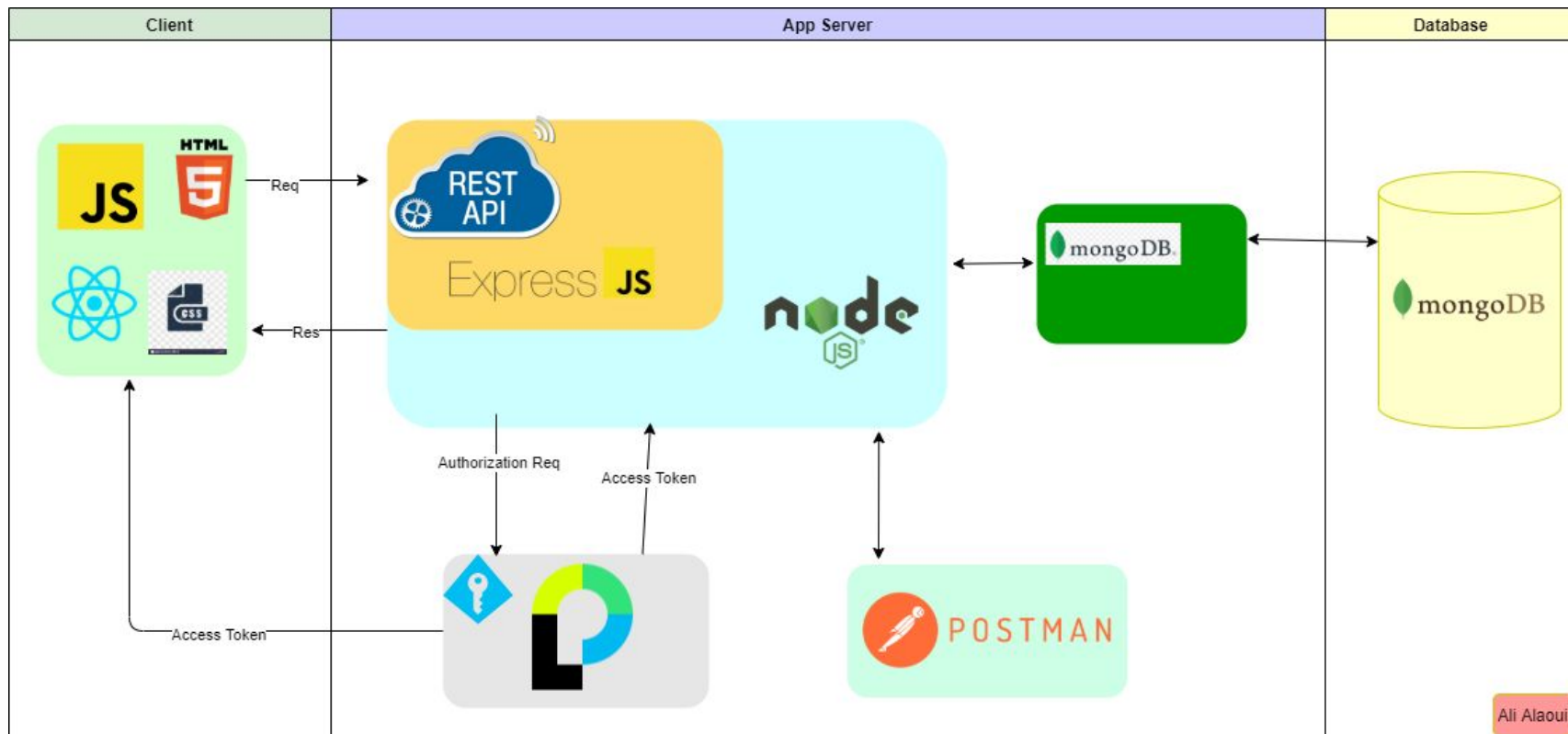
—Peter Lillis



# How Does It Work?

Projects Asset Manager is built on a MERN framework for maximum flexibility.

# MERN | Mongo · Express · React · Node





# How is your data structured?

collection:	PROJECTS				
	_id	name	due date	tech stacks	developers
description:	auto-assigned	project name, string	due date, string	project technical requirements, number of needed developers, array of objects	employees assigned to this project by role, string, sourced from developer collection

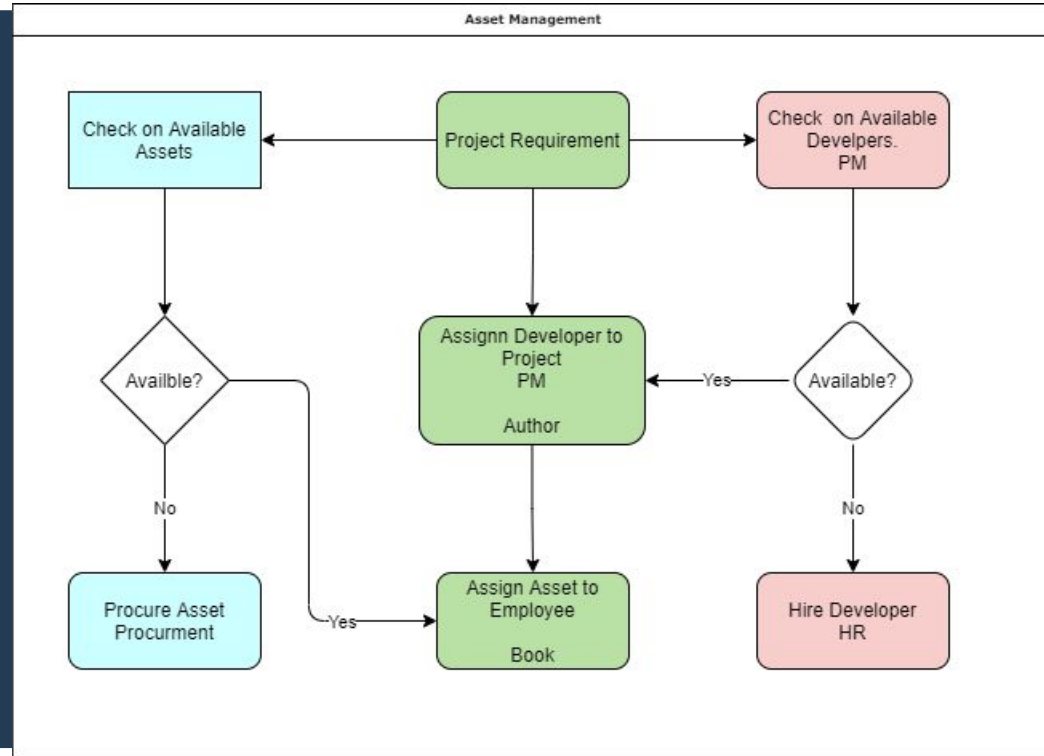
collection:	DEVELOPERS		
	_id	name	role
description:	auto-assigned	developer name, string	what is this developer skilled at, string, relating to tech stacks collection

collection:	TECH_STACK		
	_id	name	description
description:	auto-assigned	role name, string	a description of the duties within this role, string

When planning this project, we decided three collections would be a strong place to start, with the interest of building more as we learn how our customers use the product

# How does the data flow?

In our initial design, we included functionality to not only assign developers to a project, but also assign company assets to each employee, as well as an option for human resources to begin the necessary hiring process in the event no developers are available





# User Experience Wireframes

<header />

Create and Update Projects

Project Name

Projects List ▾

Required Technology Stack

select to filter developers list

- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]

Developers List

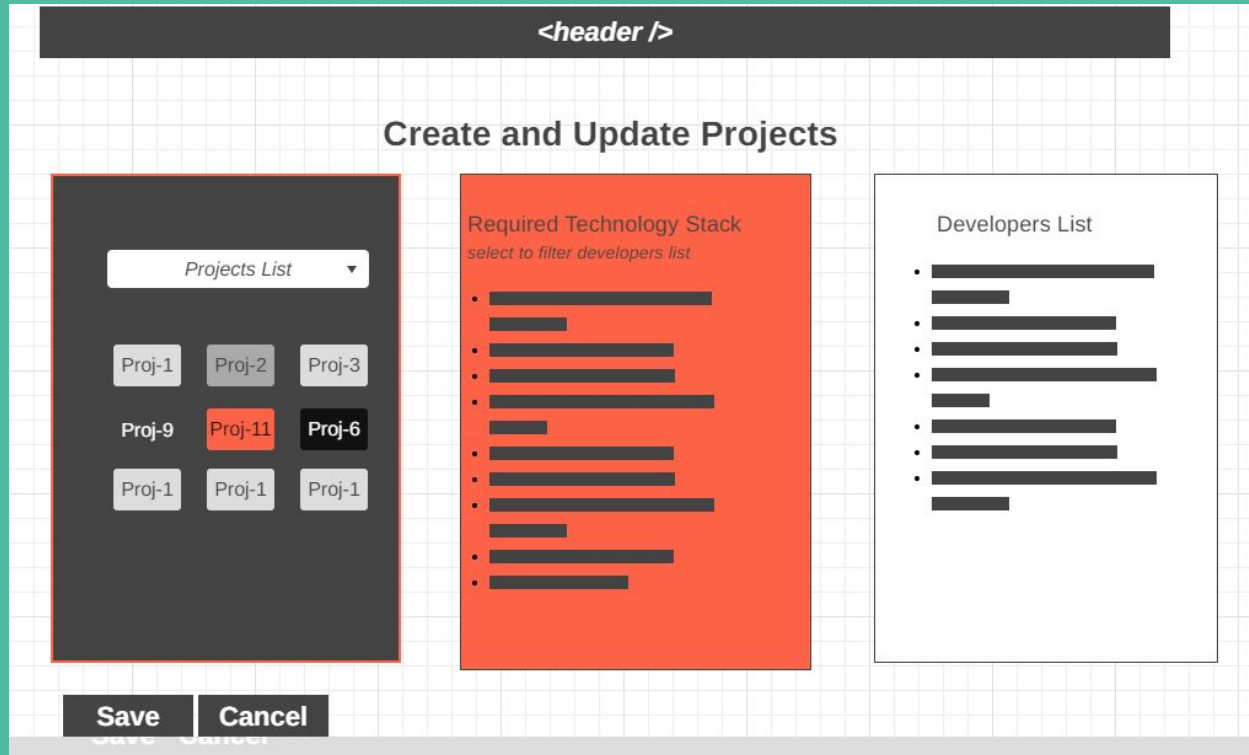
- [redacted]
- [redacted]
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- [redacted]
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- [redacted]
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- [redacted]
- [redacted]
- [redacted]

Save


Cancel

Our original plan included pre-seeded collections that allowed us to update project entries with the assigned developers

# User Experience Wireframes



Another version of the same workflow: the user selects a project, reviews tech stack requirements, and adds developers based on role



A man with a beard and a woman with curly hair are standing in front of a whiteboard. The woman is pointing at a sticky note on the board. The board is divided into columns labeled 'TO DO', 'IN PROGRESS', and 'DONE'. There are many colorful sticky notes on the board, some with handwritten text like 'SCRUM', 'TERM', 'OWNER', 'AGILE', 'CHART', 'DEFINITION OF DONE', and 'SPRINT'. The woman is wearing a blue blazer over a white shirt. The man is wearing a grey sweater over a white shirt. The background is a blue wall.

# It takes a village

Meet the Group 7 Team

# Team Members & Project Roles

## Ali

- ❑ Data Lead
- ❑ Workflow Designer
- ❑ Mongoose
- ❑ Middleware
- ❑ React
- ❑ Cloud DB

## Daniel

- ❑ Collection Schemas
- ❑ Express
- ❑ Node
- ❑ Postman
- ❑ React
- ❑ Cloud DB

## Peter

- ❑ Team Lead
- ❑ Workflow Designer
- ❑ Repo Management
- ❑ React

## Yaze

- ❑ Mongo DB
- ❑ Express
- ❑ React

## Zaid

- ❑ Front End Lead
- ❑ React
- ❑ Javascript
- ❑ Express
- ❑ HTML
- ❑ CSS

“It was a team of five men with a lot of emotions Lol” —Anonymous Group Member

# Our strengths

## Data Management

Our schema designs were lightweight and clear from the beginning

## Concept Design

The application is based on real-world needs we've all experienced building projects

## Fun Attitude

Despite the stress of the project, we were able to stay calm and laugh at the tension

## Hands-On Experience

As we built the app, we learned more about how necessary proper tracking and reporting is to any given project

# Issues & Future Versions

Did anyone else find this project to be very difficult?



# In a perfect world...

## Functionality

- ☐ Expanded reporting
- ☐ Assign developers to projects
- ☐ Assess developer availability based on assignments
- ☐ Login authentication + project information by each user account
- ☐ Assign company assets to developers
- ☐ Project timeline + contract information

With another week, our application will be right as rain

Lesson: communication is key



# Thank you!

Any questions?