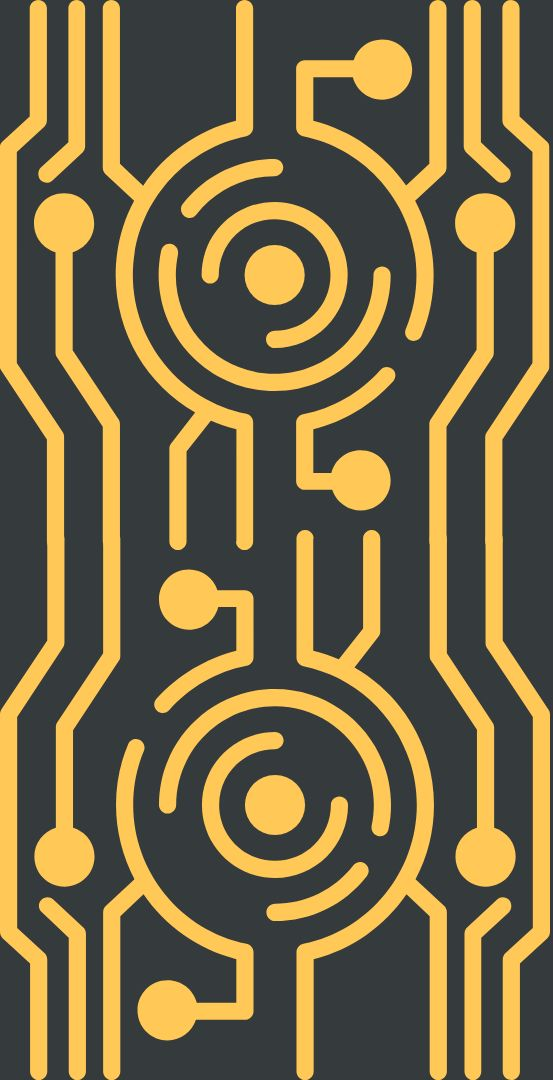


System Design Presentation

by



MadJar

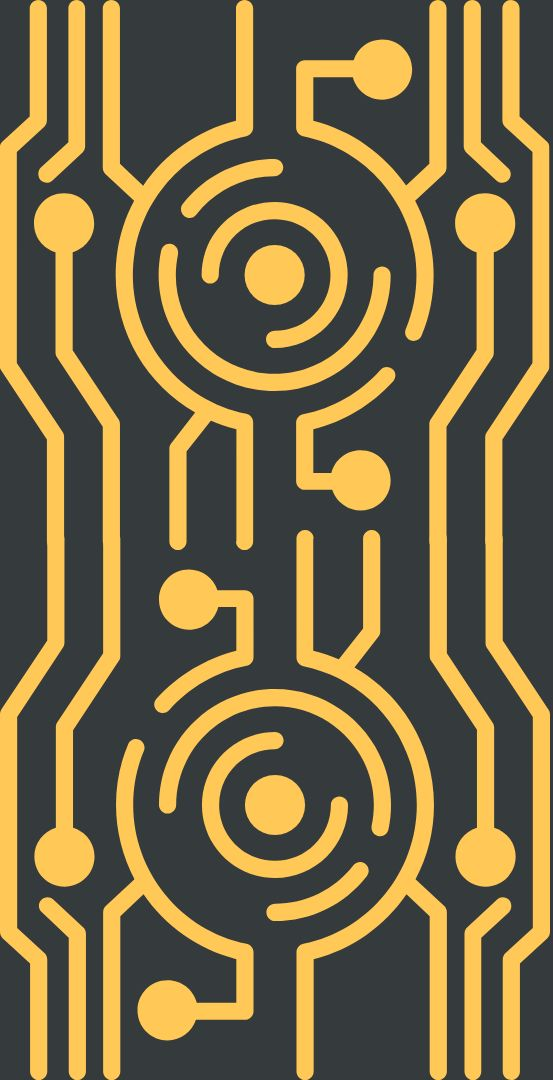


Architecture Rationale

Reasons For MVC

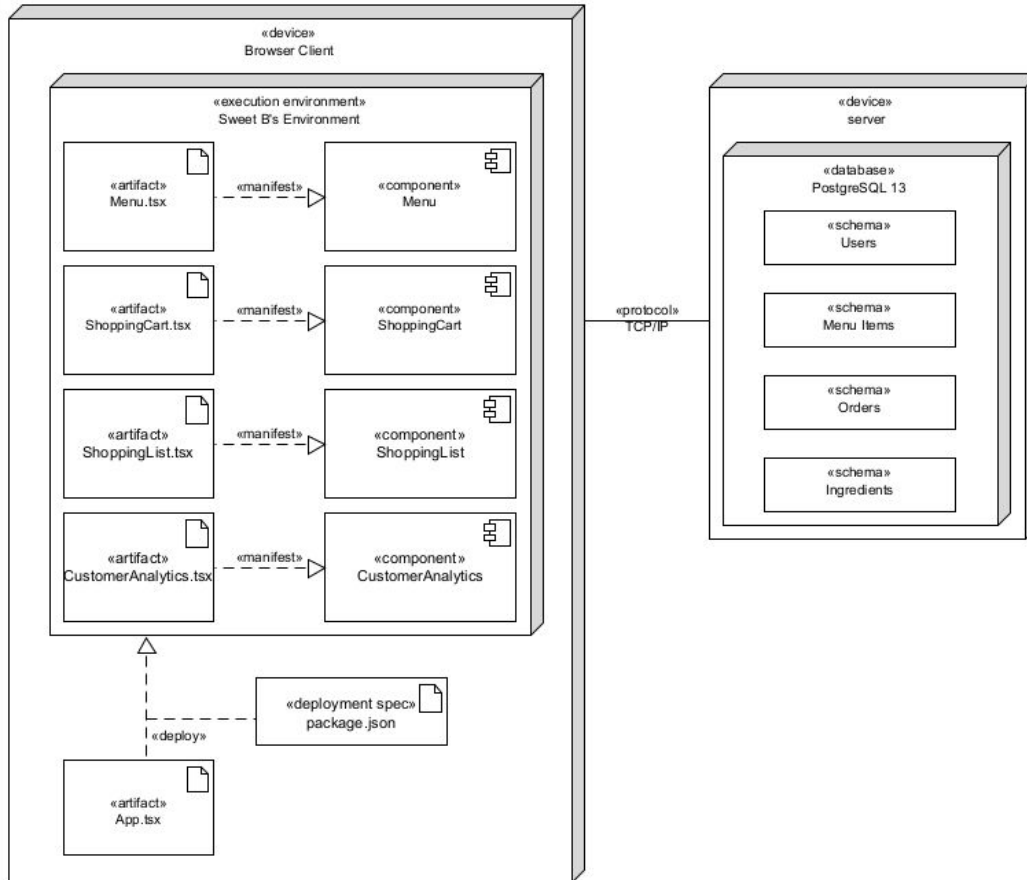
General Rationale

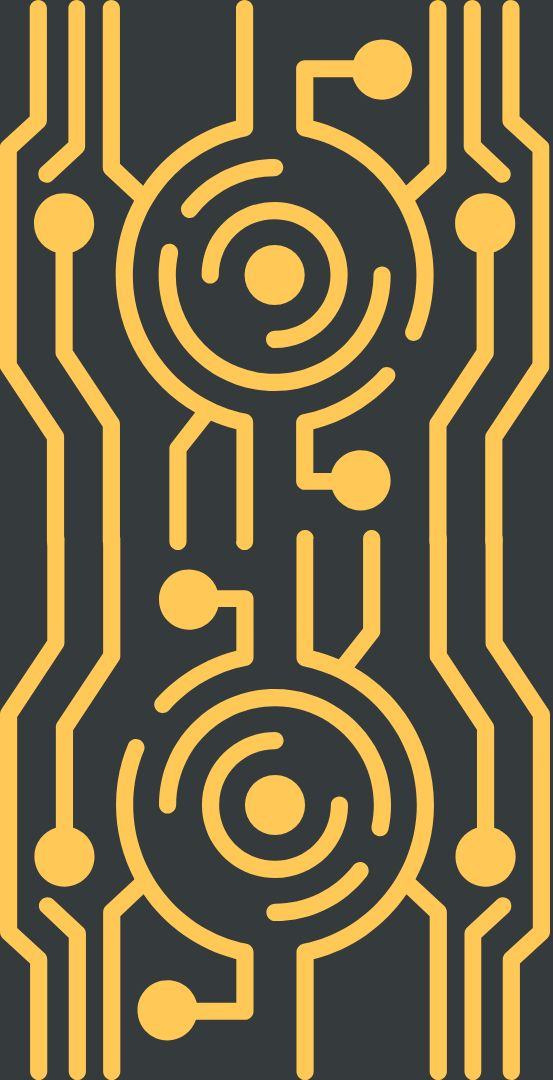
- Aids to minimize complexity by separating concerns into 3 components, Models, Views and Controllers
- Agile Development support
- Common choice for web applications
- Extremely flexible
- Search Engine Optimization (SEO) Friendly.



Deployment Diagram

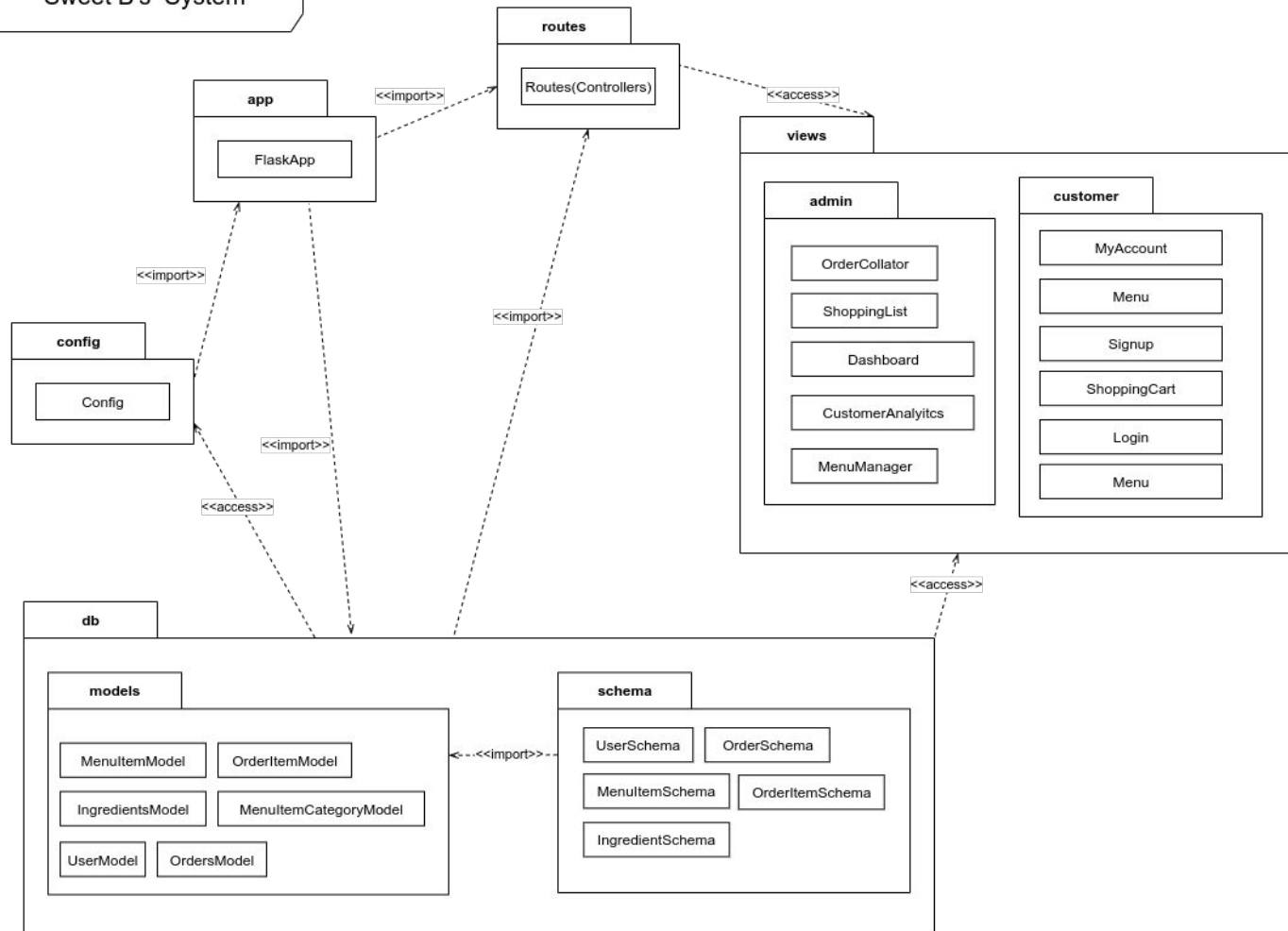
Deployment Sweet B's System





Package Diagram

Sweet B's System



Package Structure Justification

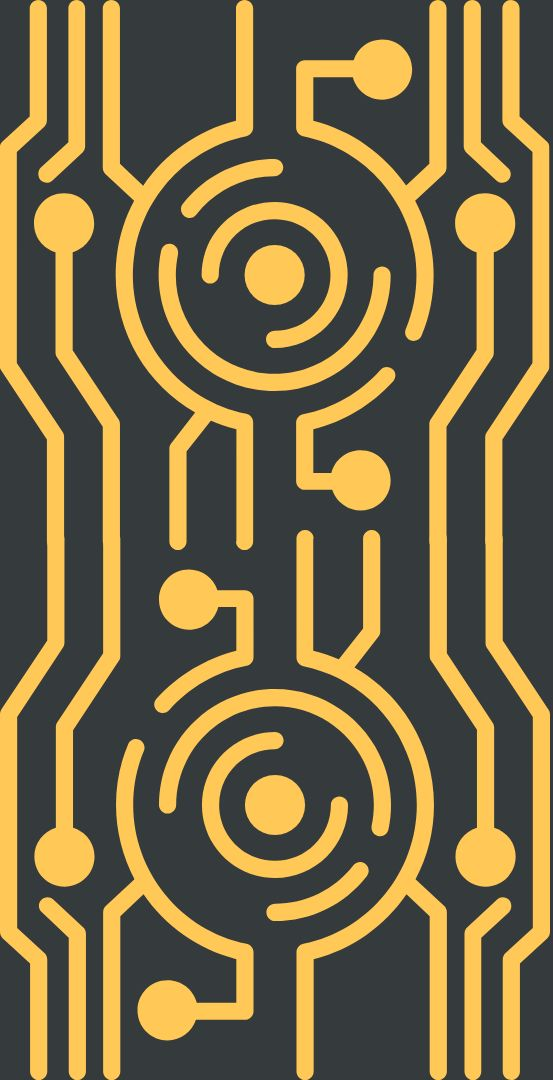
Using Models,
Views and
Controllers with
Flask

- Db - Houses the blueprints for the data classes, and represents the M in MVC.
 - Models - The SQLAlchemy models
 - Schema - The SQLAlchemy schema
- Views - Houses the core frontend components of the application.
- Controller - Houses the Router for the API endpoints.
- Config - Configures key elements of the application
- App - The main driver of the application

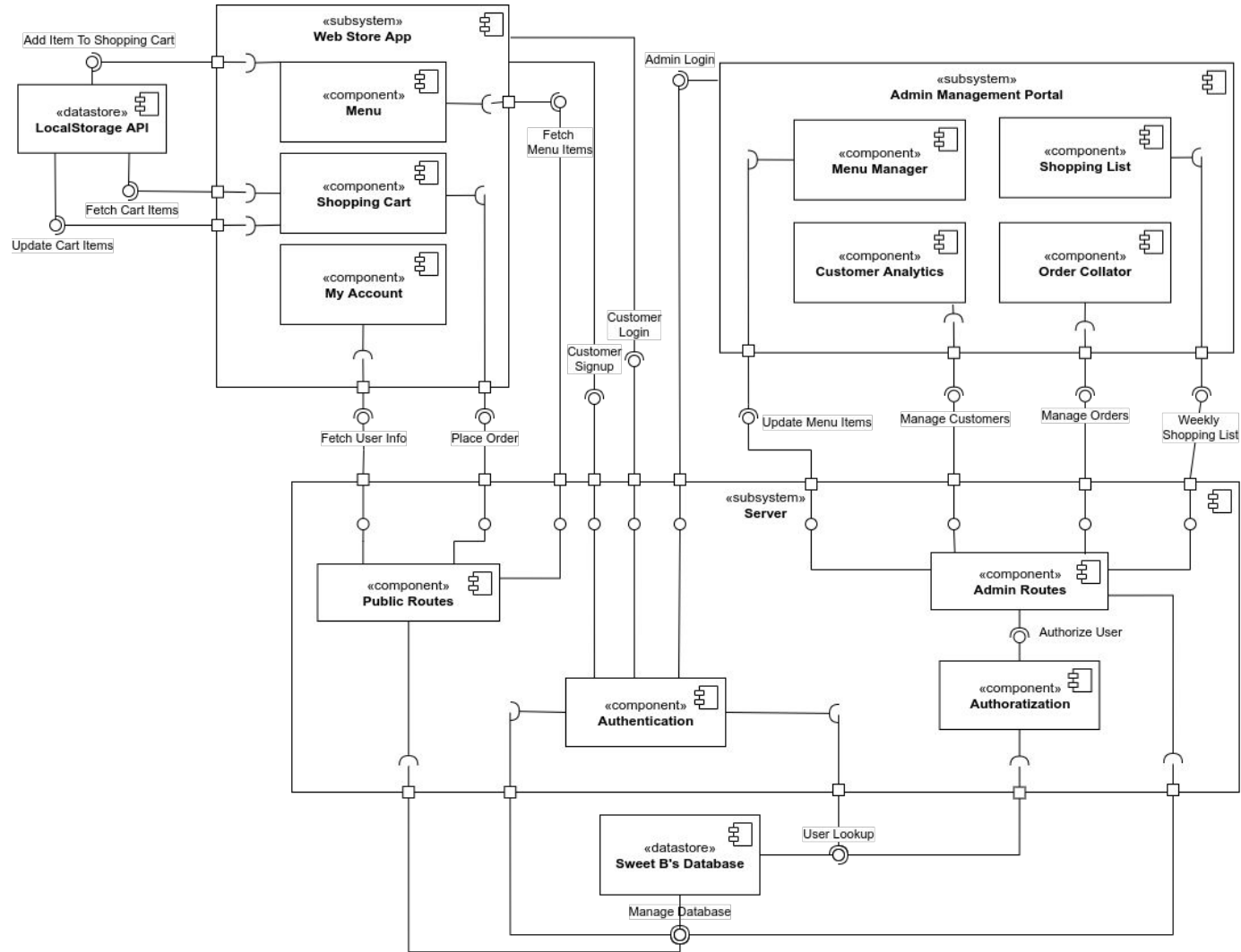
Package Structure Justification

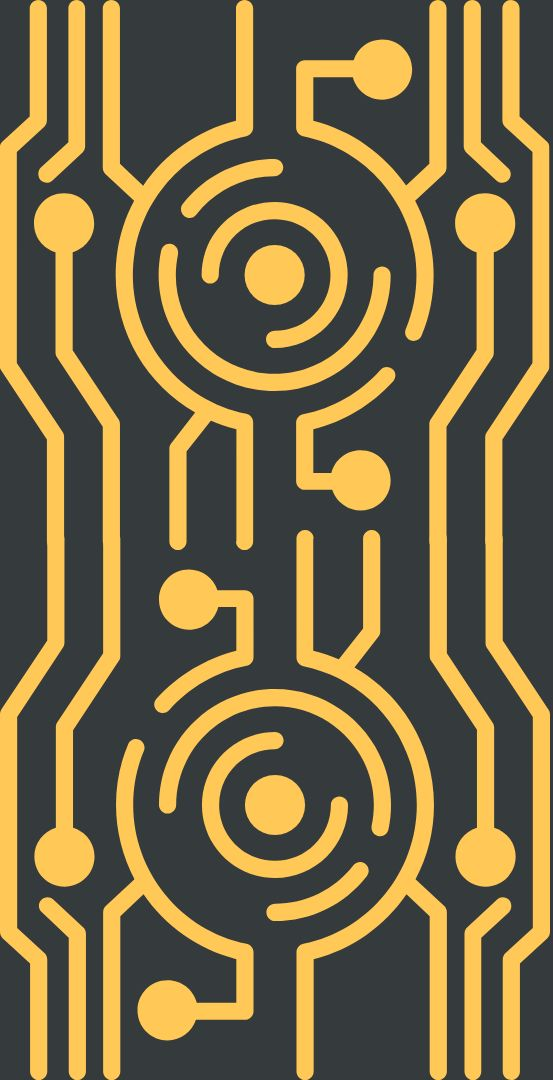
The Rationale

- Architectural Decisions - To adhere strictly to MVC
- Scalability - Modularized the application to be easily scalable.
- Maintainability - Core components isolated in packages to easily maintain
- Agile Support - Flexible project structure to promote agile development

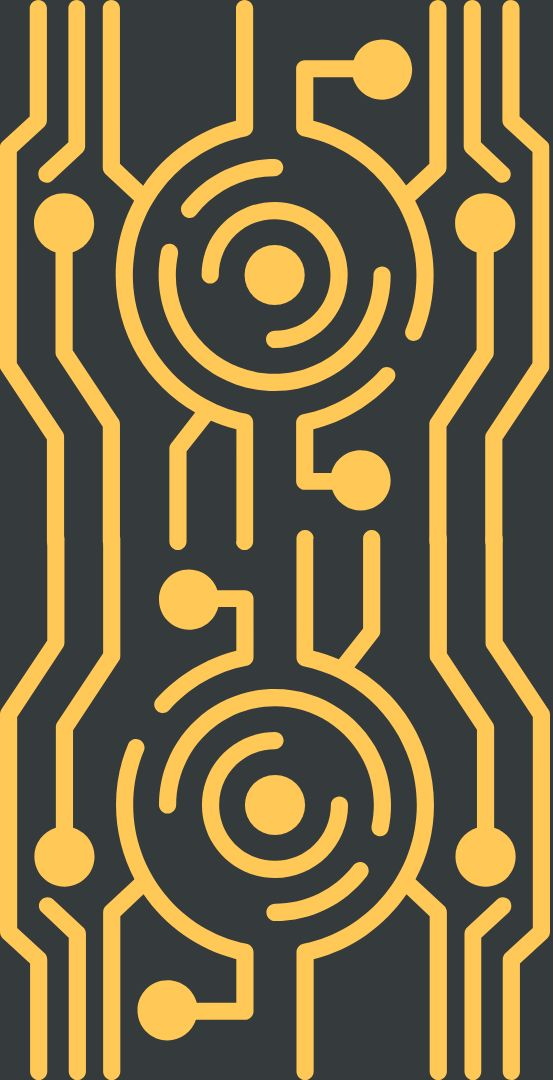


Component Diagram

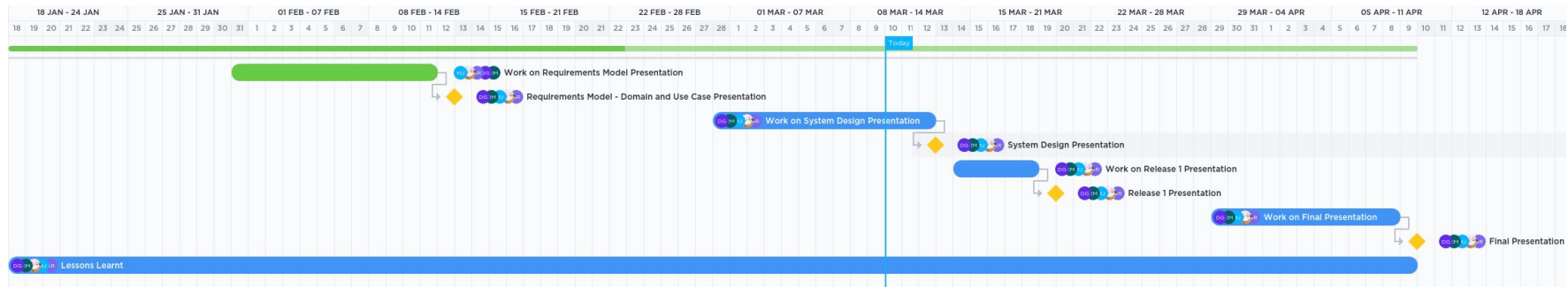




High Priority Use Case Demo



Our Project Plan



2021

Jan

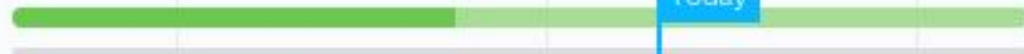
Feb

Mar

Apr

May

Today



Requirements Model - Domain and Use Case Presentation



System Design Presentation



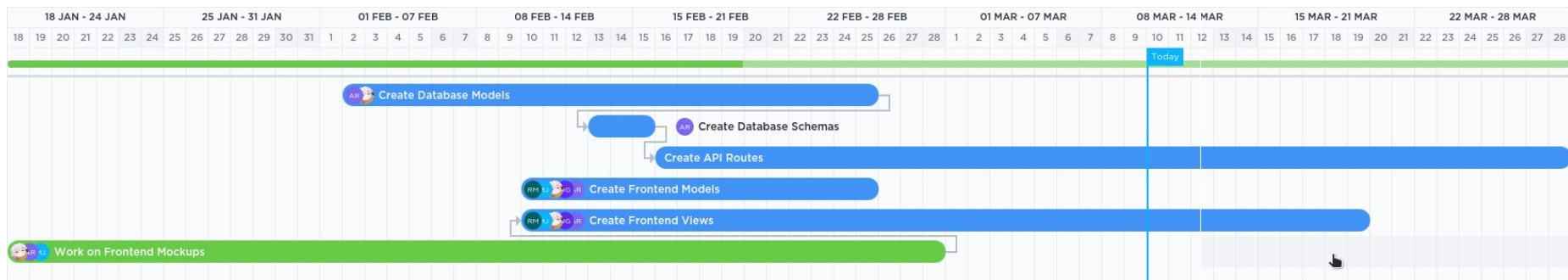
Release 1 Presentation



Final Presentation



Lessons Learnt



2021

Jan

Feb

Mar

Today



Create Databa...

AR

Create API Routes

RM

AJ



AG

AR

C...

RM

AJ



AG

AR

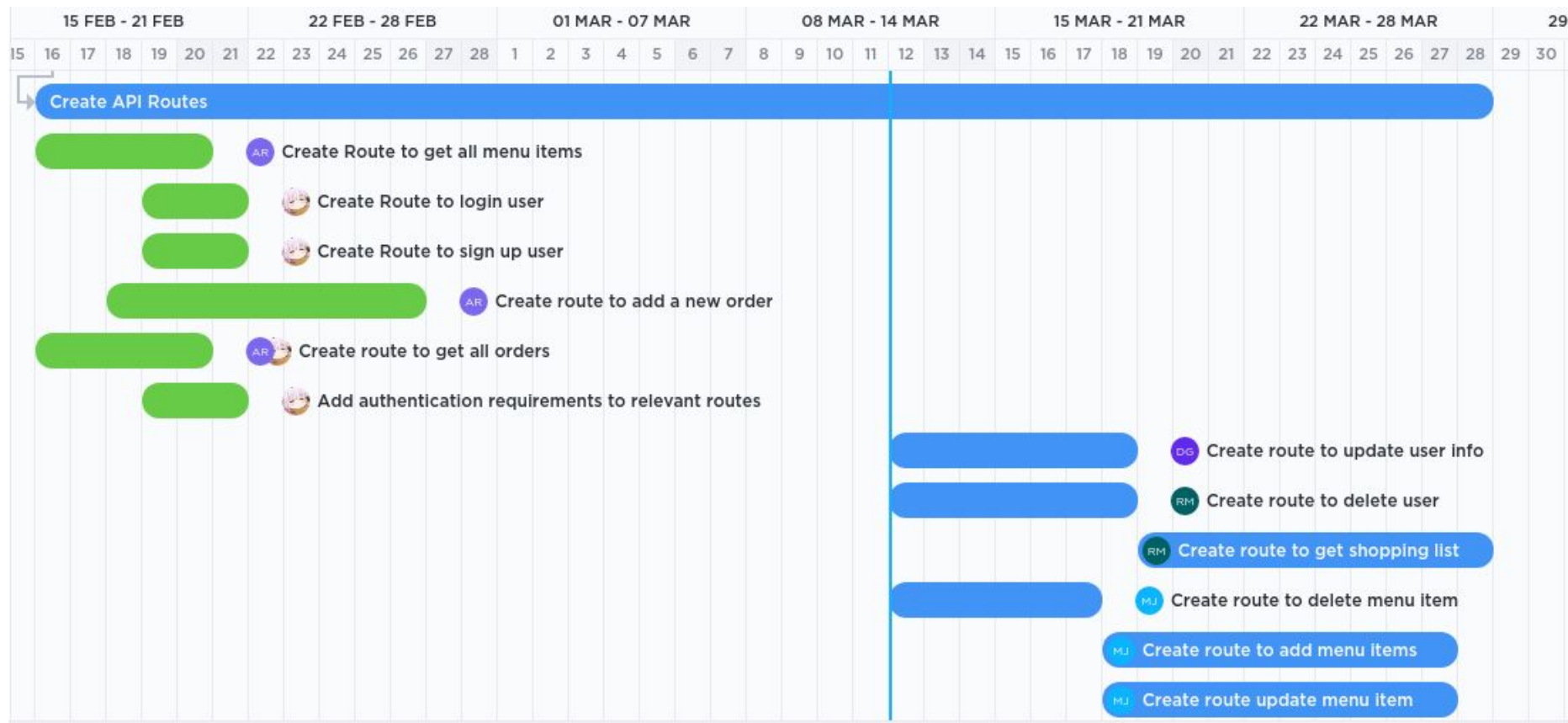
Create Frontend Views

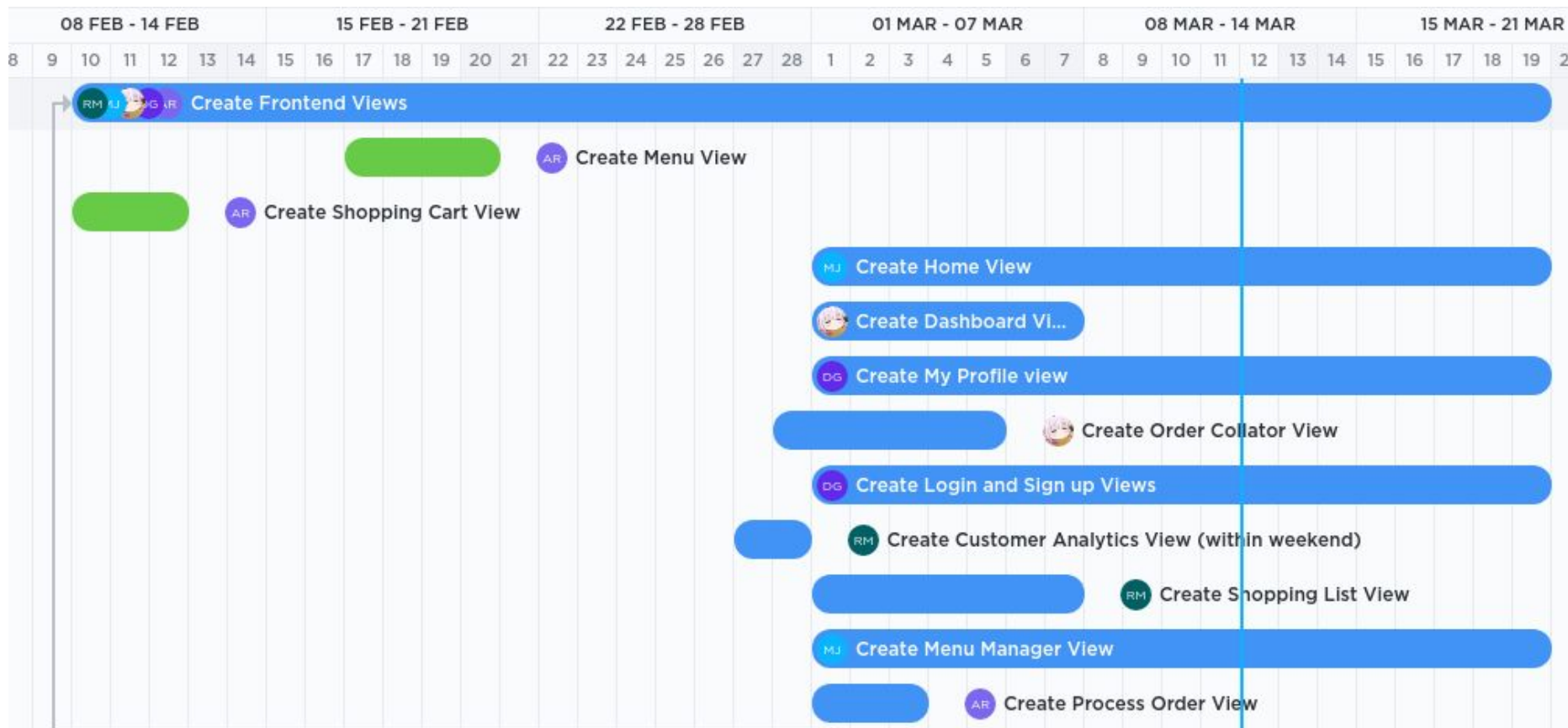


AR

AJ

Work on Frontend Mockups





Thank you!

**Any
Questions?**

