

Agenda Management System v1 | Senior Project, Fall 2018

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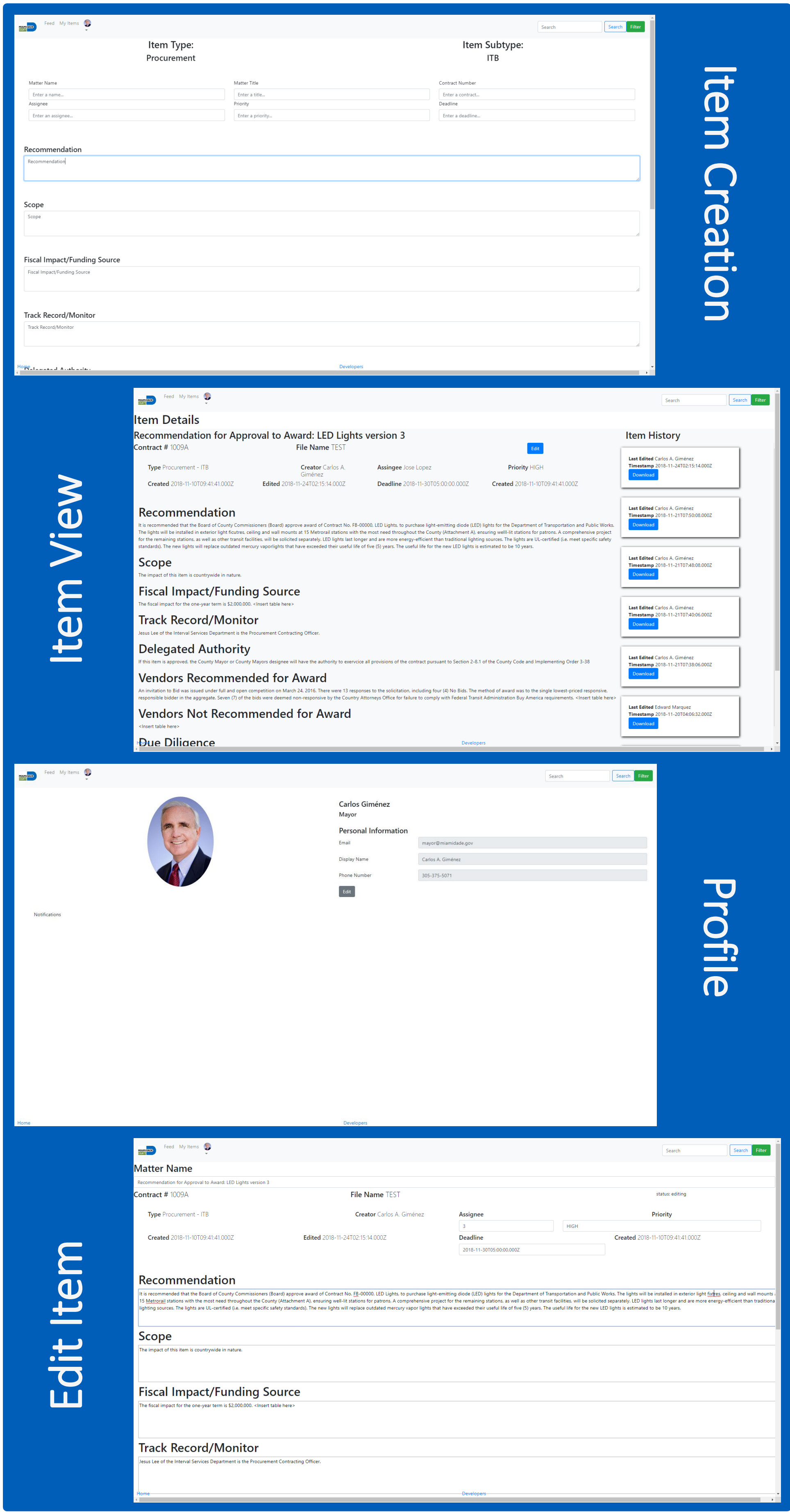
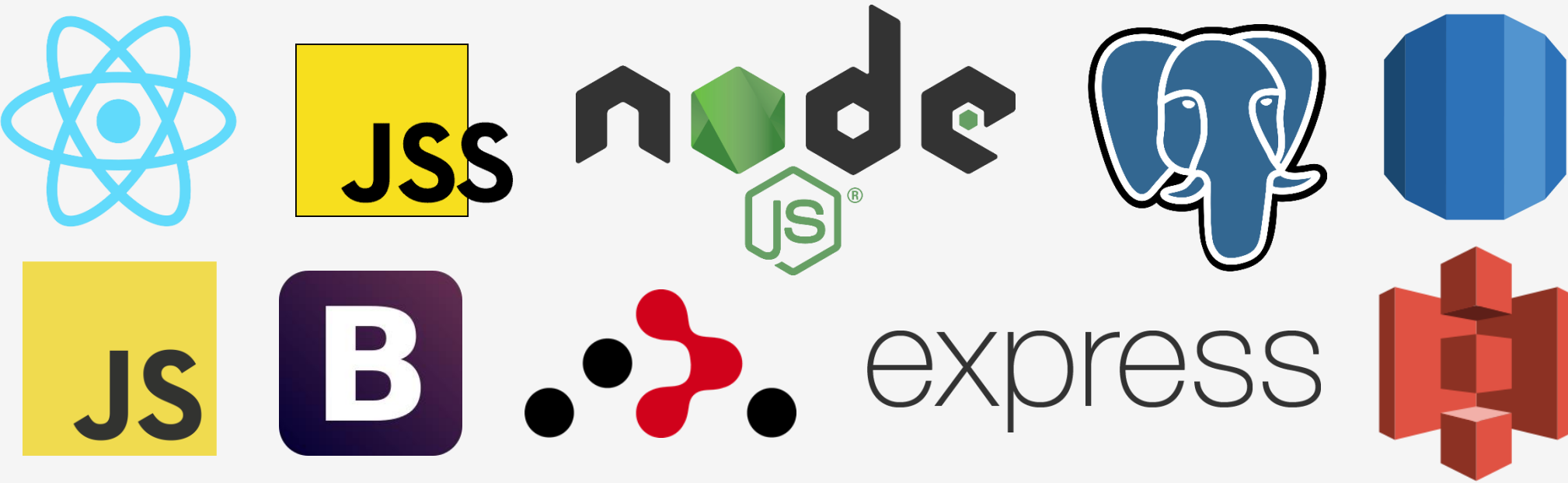


Problem

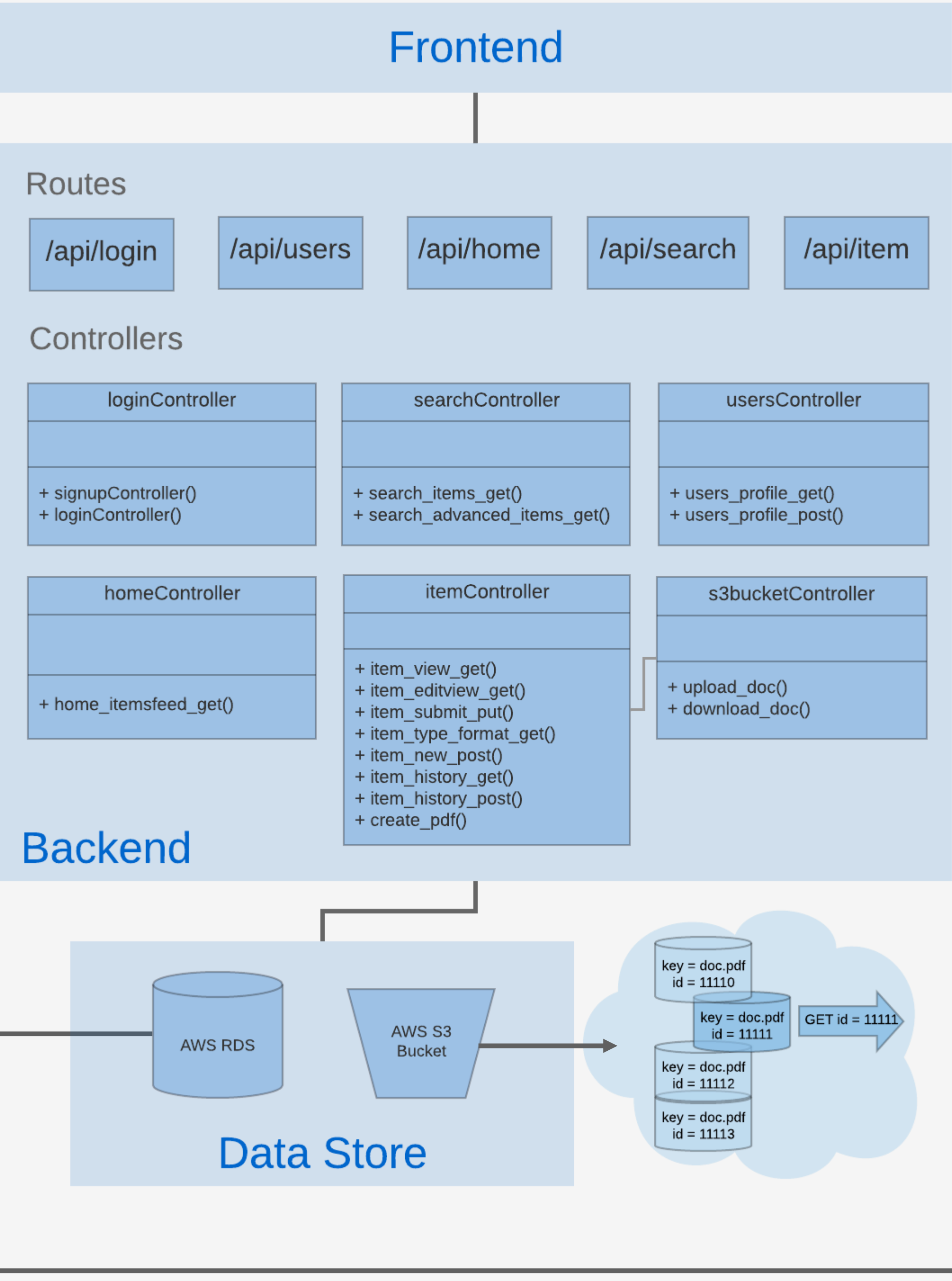
Miami-Dade County’s legislative matter and agenda item process needs a modernized system. An item’s history and route is **disorganized** and **inefficient** without a uniform and universal tracking system.

Implementation

- Frontend**
- React JS library / React Router / Axios
 - Bootstrap framework / JSS
- Backend**
- Node.js server environment
 - Express web framework
 - AWS RDS for PostgreSQL database
 - AWS S3 document storage



Design



- View Item History and Download PDF Sequence
- Edit Item Sequence
- Database Schema

Current System

The v1.0 **Agenda Management System** application provides a user-friendly portal, streamlining the item creation, updating, and version tracking process within the Miami-Dade County IT Department.

- Includes:**
- Viewable history
 - Document download
 - Advanced search
 - PDF generation
 - Default item-type templates
 - User profiles
 - User authentication and authorization

Contributions

- Designed and managed the **PostgreSQL database [3]**
- Developed **API calls** for retrieving:
 - user information for the profile page
 - an item’s content for it’s view page
 - an item’s trail for it’s history [1]
 - the default item-type template when creating an item
- Access to **downloadable, version controlled documents** on the AWS S3 bucket [1]
- Creating or Editing** an item backend [2]
 - Store/update an item’s information onto the database
 - Generate and upload a PDF to an S3 bucket
 - Record the item’s history onto the database

Acknowledgement

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