



Problem

No internal tracking system for potential agenda items leads to **cluttered, disorganized, and un-trackable** document versions.

The **frequent routing** of an internal document between peers via email, faxes, and print leads to wasted time and unaccountability.

Implementation

A single-page app (SPA) that makes use of **React + React Router, Axios, & Bootstrap** on the front-end, and gets served with **Express** which lies on top of **NodeJS**.

Our **RESTful API** makes contact with our **PG RDS & AWS S3 Bucket**.

Contributions

Implementation of **JWT** for authentication and authorization & hashed password storage.

Front end for **item creation**.

Front end for **item editing**.

Front end for **item viewing**.

Implementation of **dynamic** rendering of item sections & their respective handlers.

Current System

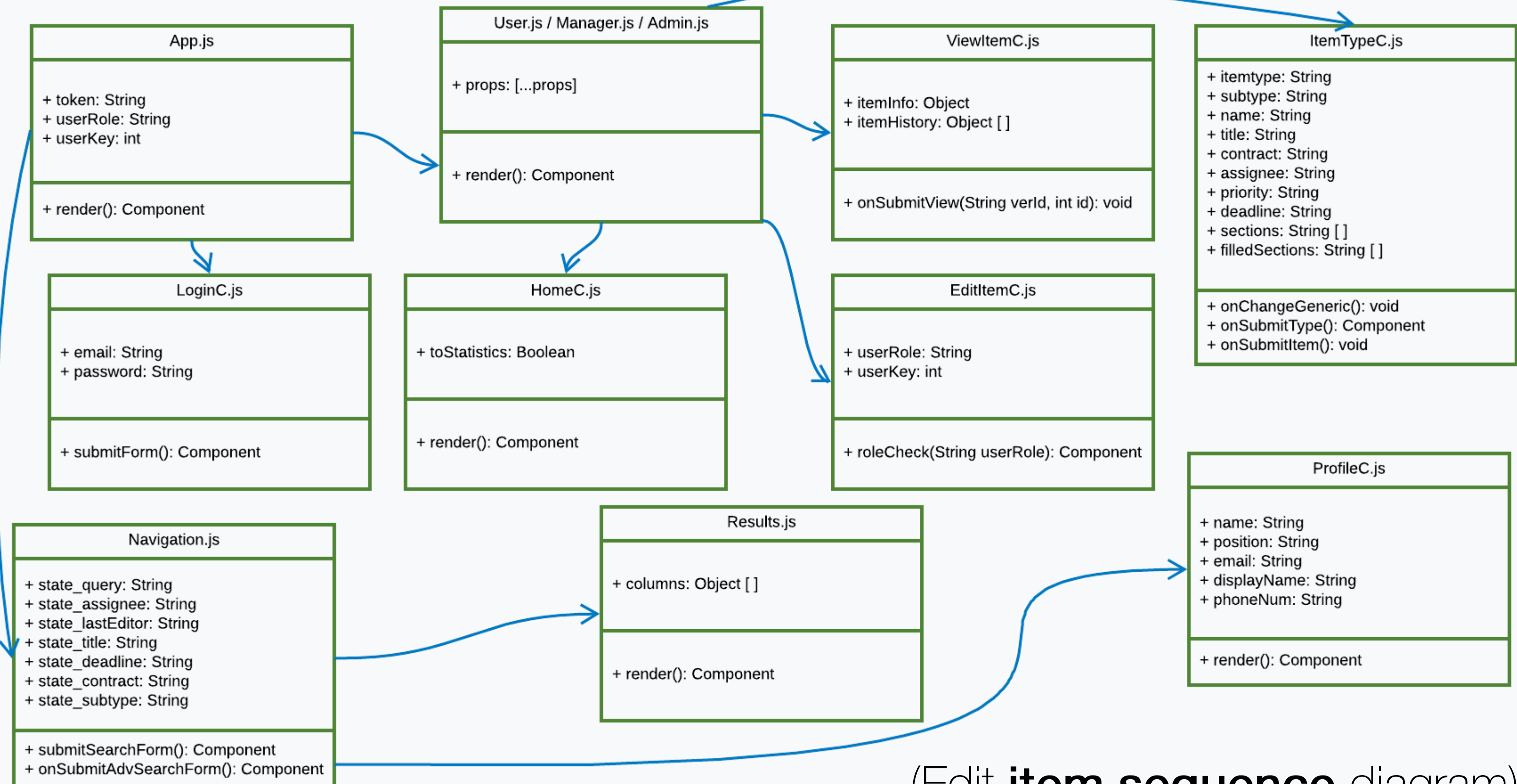
v1.0

Facilitation of the **creation & editing** of internal agenda items for the **Miami-Dade County IT Department** by means of our portal.

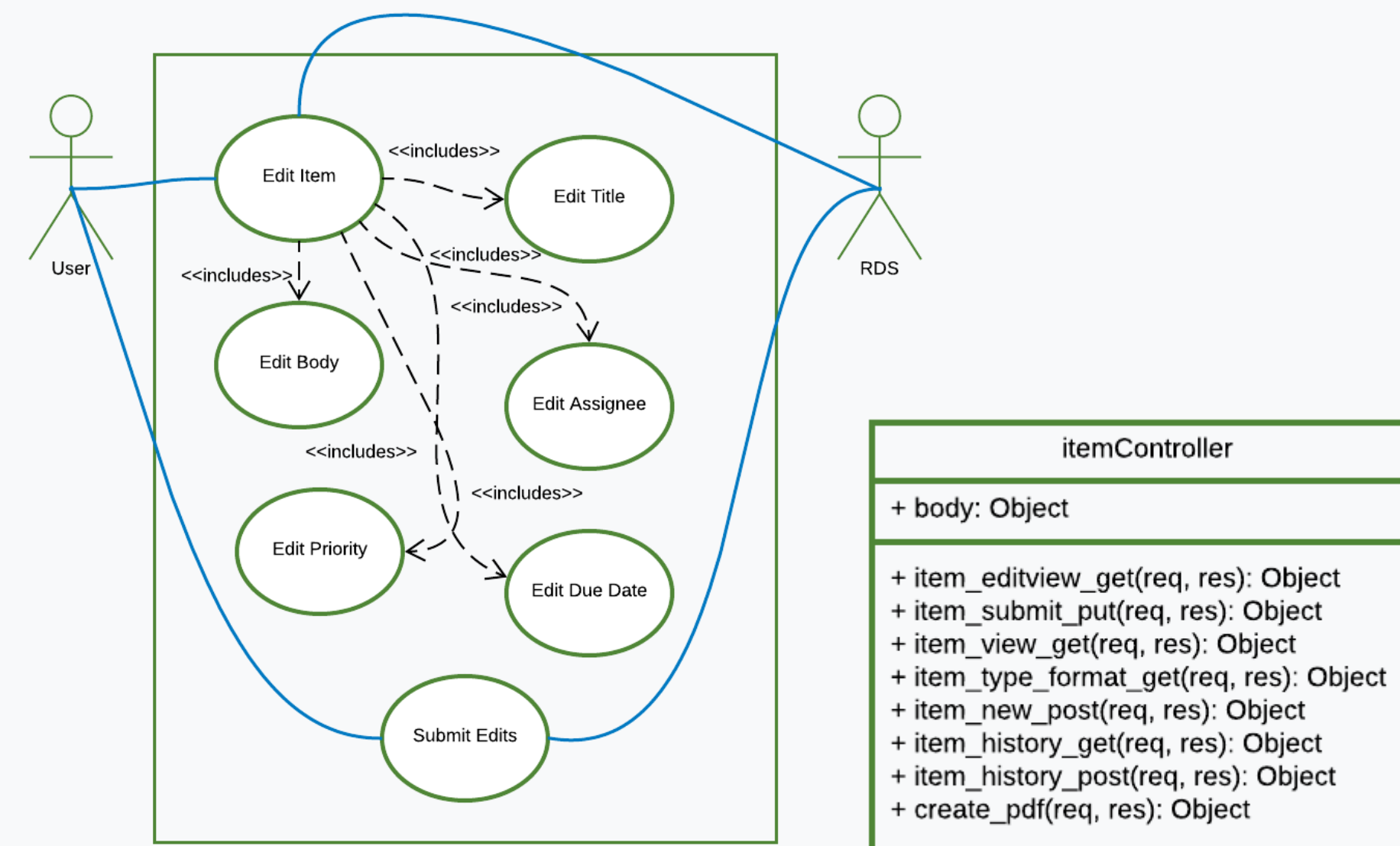
Filter through existing items, and **create PDFs** with a **trackable history** for each item.

System Design

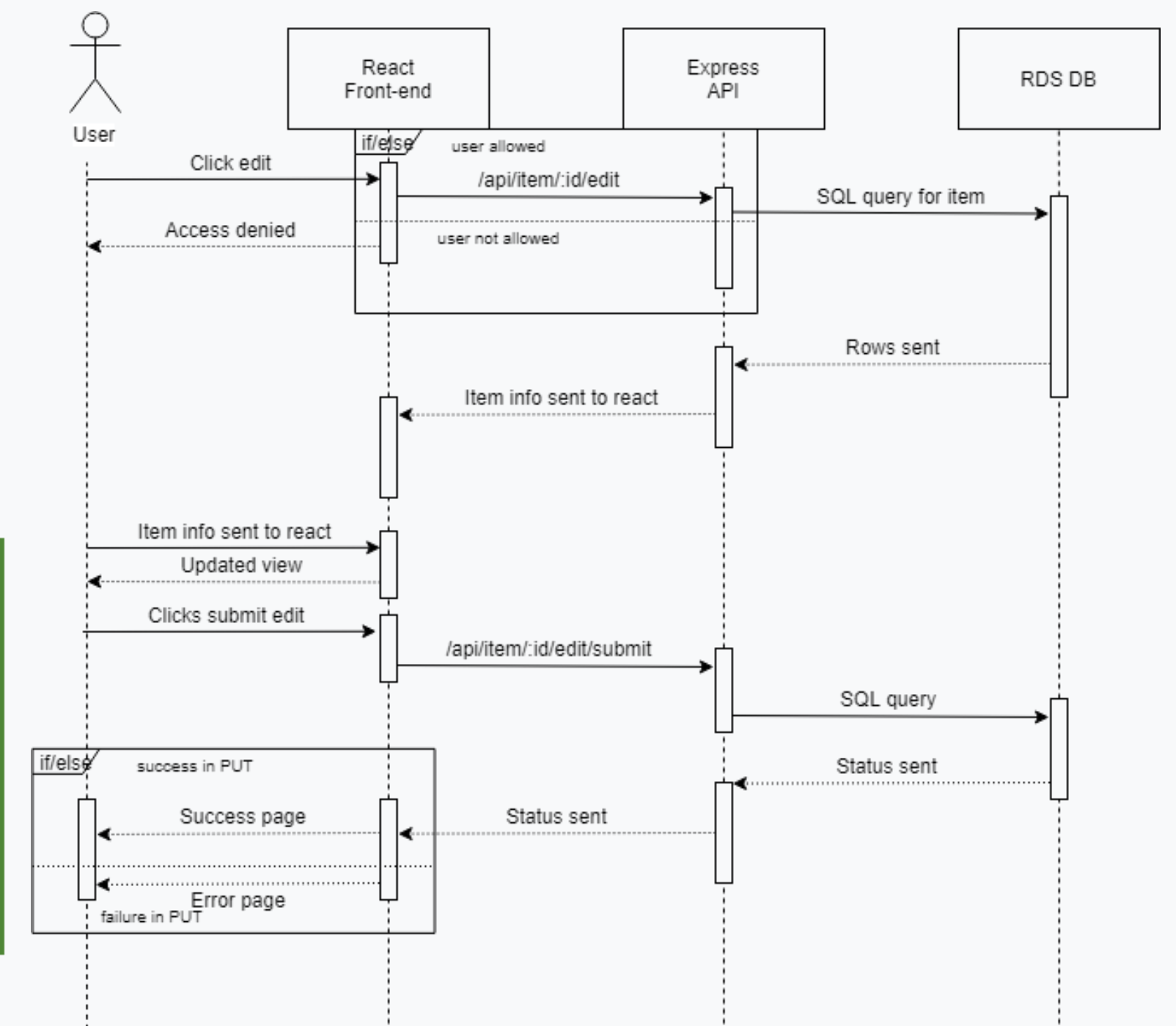
(High level react **component design**)



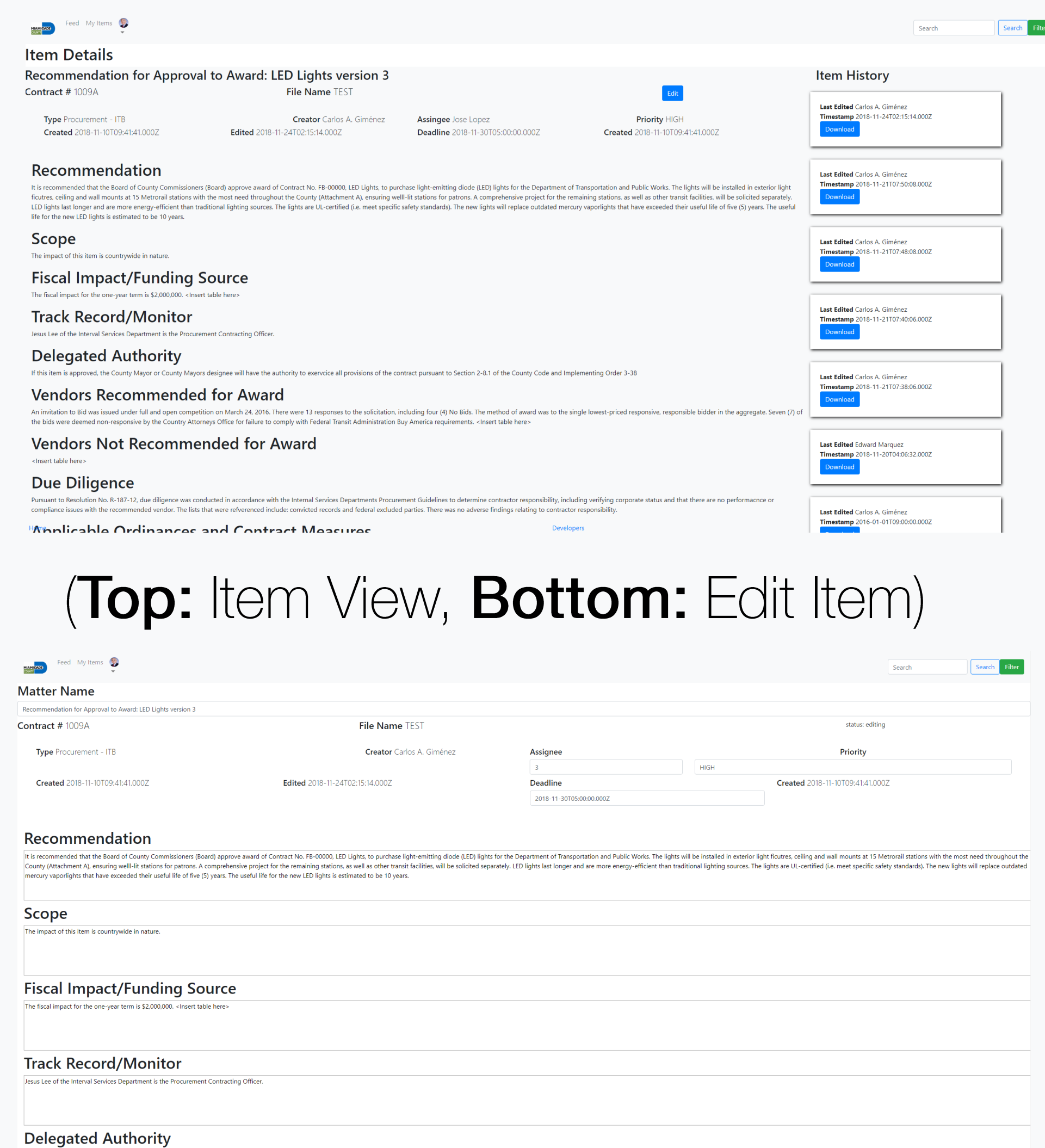
(Edit item **use case** diagram)



(Edit item **sequence** diagram)



Screenshots



Summary

Facilitate the **organization** and **auditing** of department-internal agenda items. Users can **create, edit, and view** agenda items, while **creating PDFs** of each version of an item for **accurate** record keeping. Searching for specific items is easy with **naïve** and **advanced** searches.