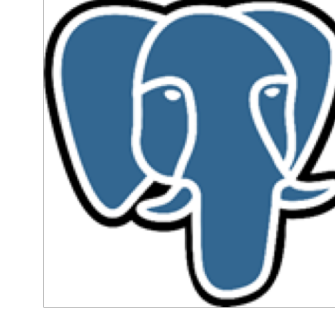
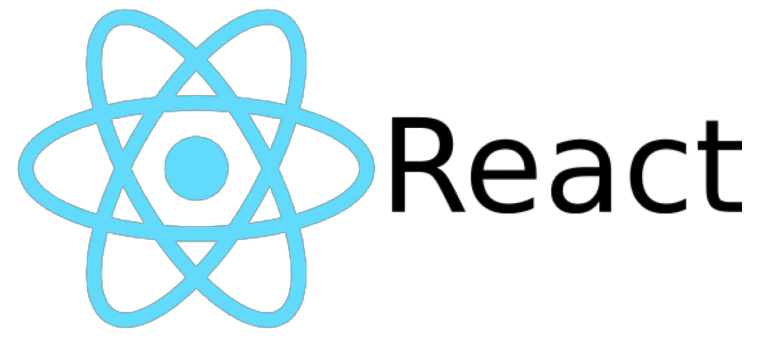




Problem

- Miami Dade County's ITD handles too many types of document and item versions **to keep track of**.
- Frequent routing** of documents and internal department items between the department leads to wasted time.
- This makes item version tracking cluttered and disorganized, **hence affecting productivity and accountability**.

Current System

- Offers system users** a uniform web application, with comprehensive search and management of procurement items.
- A personal item feed** based on procurement items they need to keep track of.
- Matter creation/viewing** from a quick and effective interface prioritizing ease of use.

Requirements

- Users can browse the application quickly based on **information relevant to them**.
- Users can search based on **matter type, name and deadline**.
- Users can **look up items** by its respective contract number or assignee.
- AWS S3 storage framework provides a stable framework for matter routing.

Solution

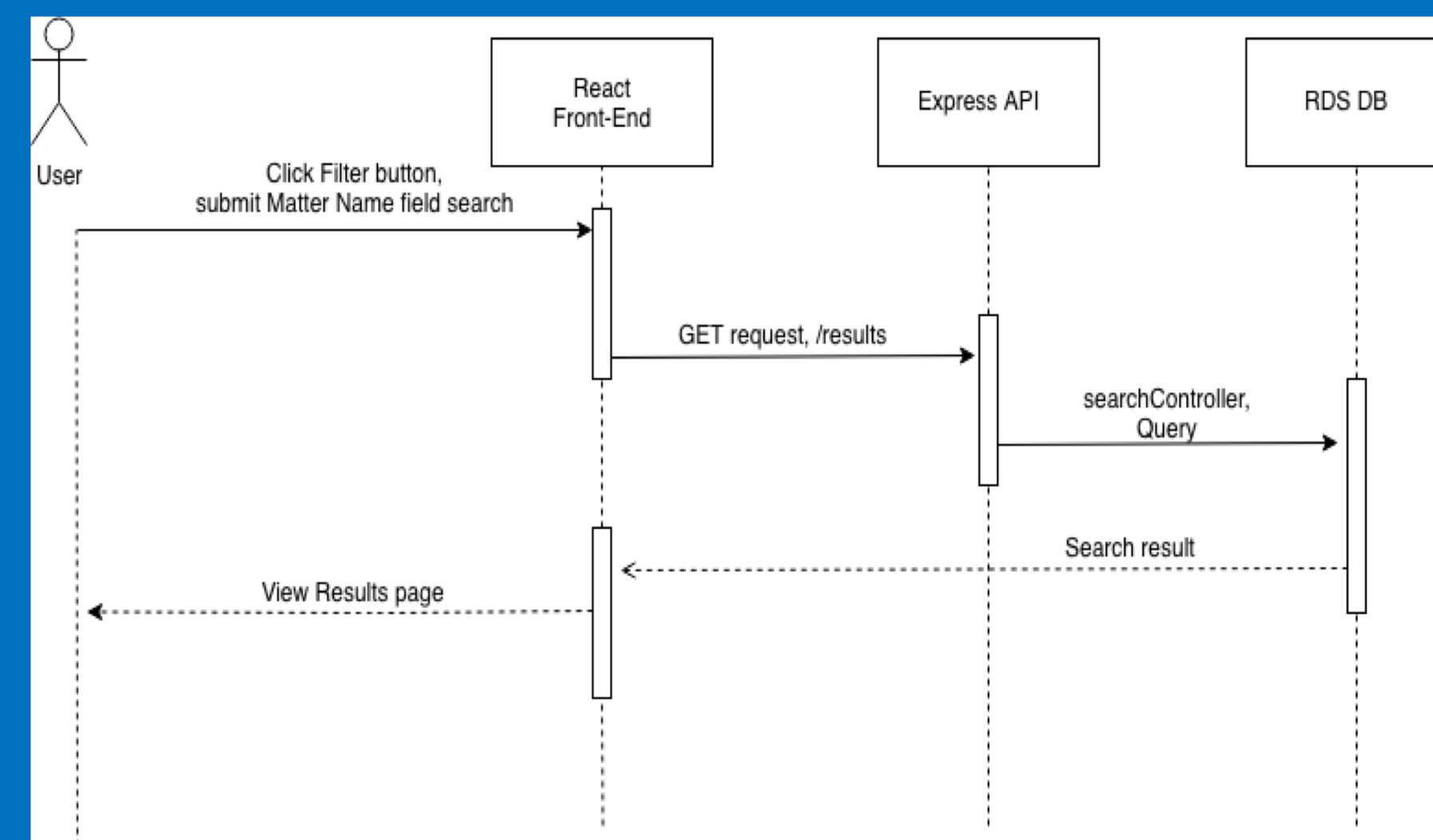
AGDA is an application that aims to facilitate item version and matter routing control to deliver the MDC, with better management of the procurement process.

My core tasks for AGDA 1.0:

- Develop a simple navigation bar to easily browse the application.
- Develop a search framework to look up items based on several procurement matter filters.

Object Design

Sequence diagram for Search for an Item by Title: AGDA-88



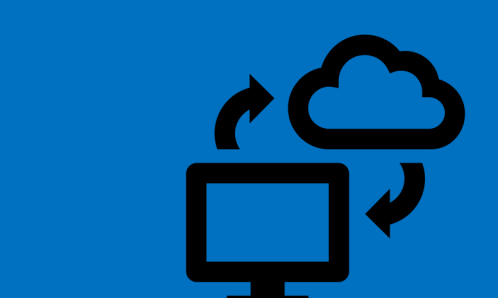
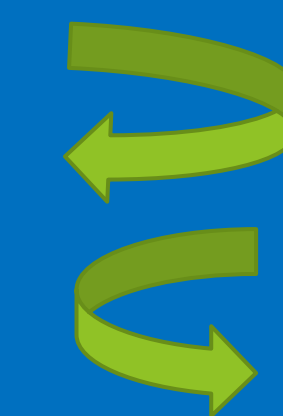
Implementation

Stack Utilized:

- Full-stack JavaScript implementation**
- AWS S3 is utilized for the database**
- The web server framework consisted on the use of Express**
- React is used as the web client framework**

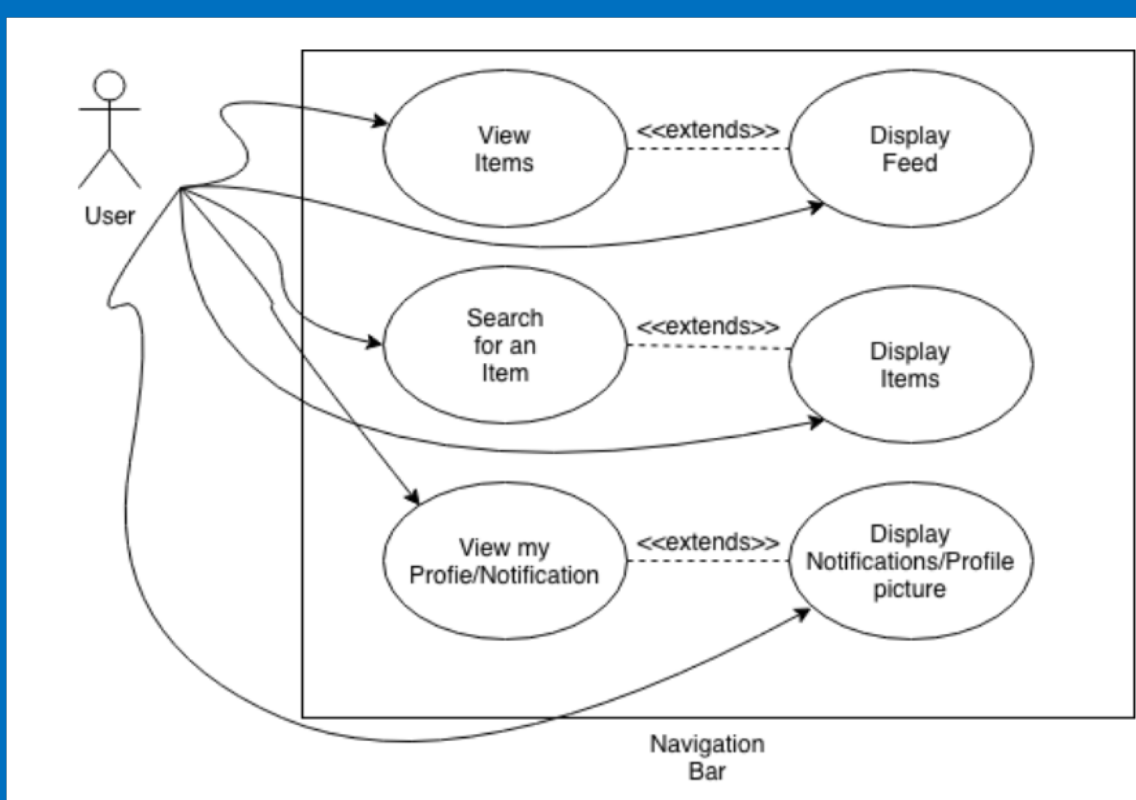


User Input

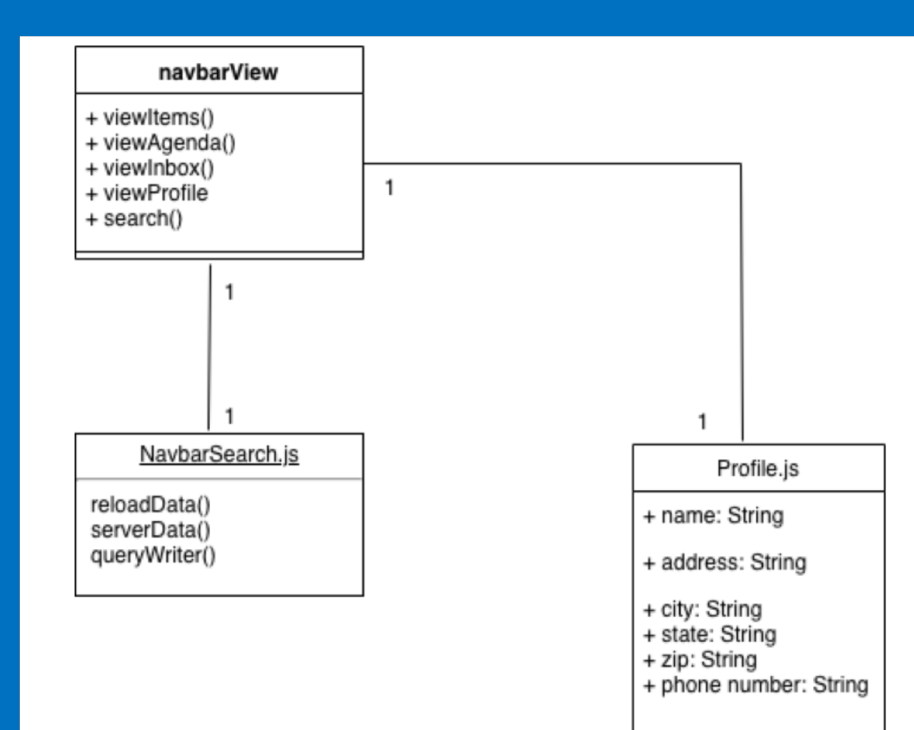


AWS Linkage

Usage Design



This diagram illustrates the use case for interacting with the navigation bar. The main actor of the system is the user and the navigation bar provides the framework for browsing the application from every page.



Sample class diagram depicting system models that take effect when making use of the application navigation bar systems and their interactions with one another.

Screenshots

Login

Email address
Enter email

Password
Password

Submit

Forgot Password

Advanced Search

Advanced Search

Assignee: Assignee Name

Title: Matter title

Deadline: YYYY-MM-##

Contract No. Contract Num.

Matter Type: Type

Last to Edit: Last Editor Name

Search

M	Matter Title	Matter Name	Contract Num	Assigned	Matter Type	Deadline	Last Editor
001	Let's go to the beach	Let's go to the beach	1234	Carla A. Gonzalez	ITS	2018-11-20T00:00:00.000	Carla A. Gonzalez
002	Let's go to the beach	Let's go to the beach	1000	Carla A. Gonzalez	ITS	2018-10-20T00:00:00.000	Carla A. Gonzalez
003	Let's go to the beach	Let's go to the beach	1000	Carla A. Gonzalez	ITS	2018-10-20T00:00:00.000	Carla A. Gonzalez
004	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
005	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
006	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
007	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
008	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
009	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
010	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
011	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
012	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
013	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
014	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
015	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
016	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
017	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
018	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
019	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza
020	Let's go to the beach	Let's go to the beach	1000	Edward Mendoza	ITS	2018-10-20T00:00:00.000	Edward Mendoza

Results Page

Summary

The AGDA version 1.0 system is now able to display a feed and results based on user input for procurement items relevant to them as well as creating items. In addition, the whole system is backed by security measurements so that only users in the system can modify, edit or view agenda items based on role's defined by the system administrator. However, the system can greatly continue improving in the future to provide greater management and productivity for system user's.

Acknowledgement

The work in this poster is based upon the efforts and help received by **Margaret Brisbane** and **Jay Alvarez de la Campa**, with special thanks to **Arleen Gomez** and the helpful people @ MDC ITD for all their support in helping us understand the ITD Procurement process.