



Polytechnic University of Puerto Rico

Computer Engineering and Computer Science Departments

Capstone Design
Spring 2020 - Fall 2020



Smart Vote

Provided by SPEED

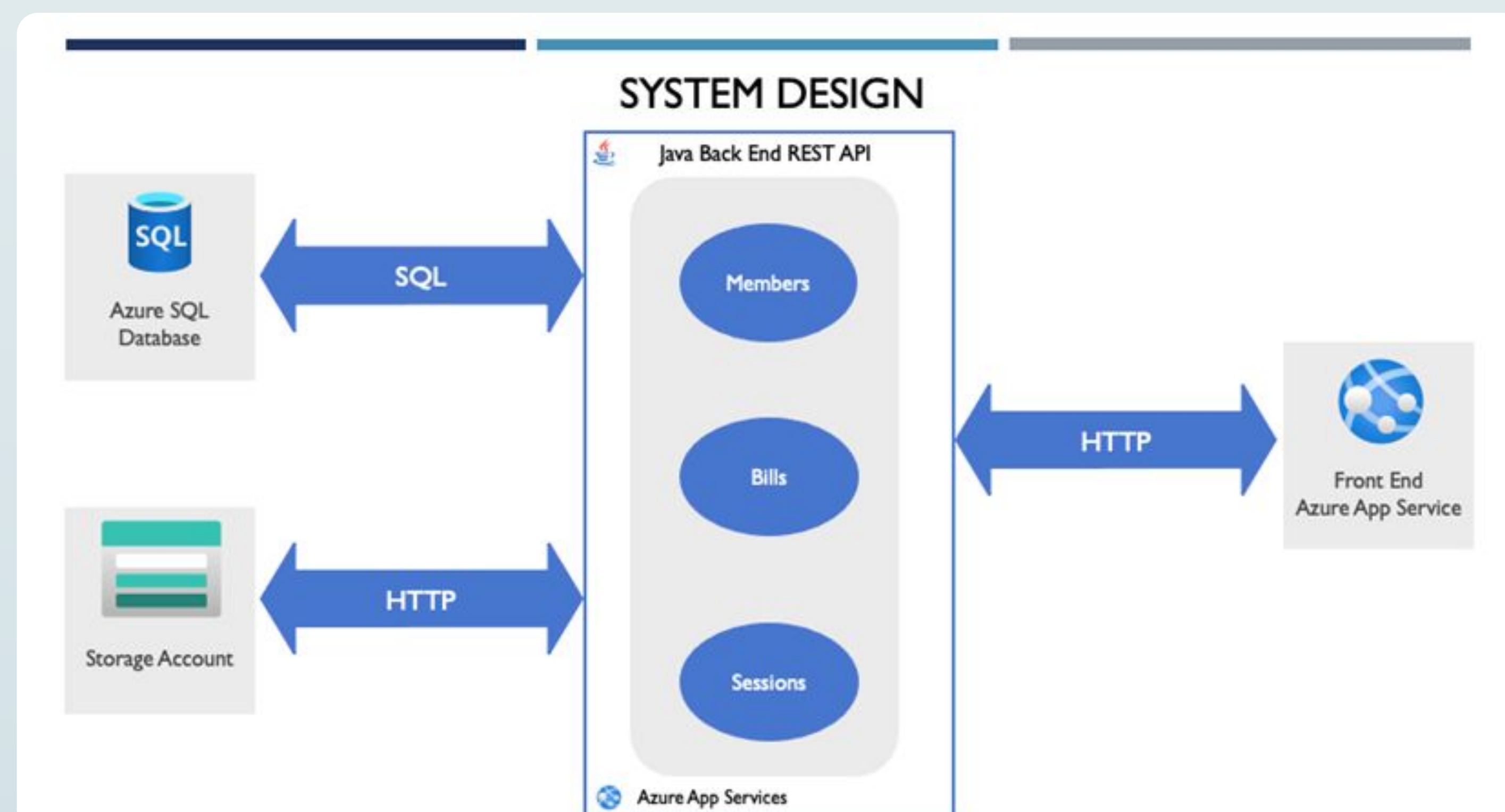
ABSTRACT

Smart Vote is a web-based application to inform people about the Puerto Rico legislature member's performance in an organized and centralized way. Users will be able to view the profile of elected officials, a list of bills introduced, the voting record for each candidate with visual indicators for each party, and filter bills by status. Moreover, people will have a reliable information source because the data is presented in an unaltered way. By using this information, each person will be able to learn more about their political leaders to inform their vote.

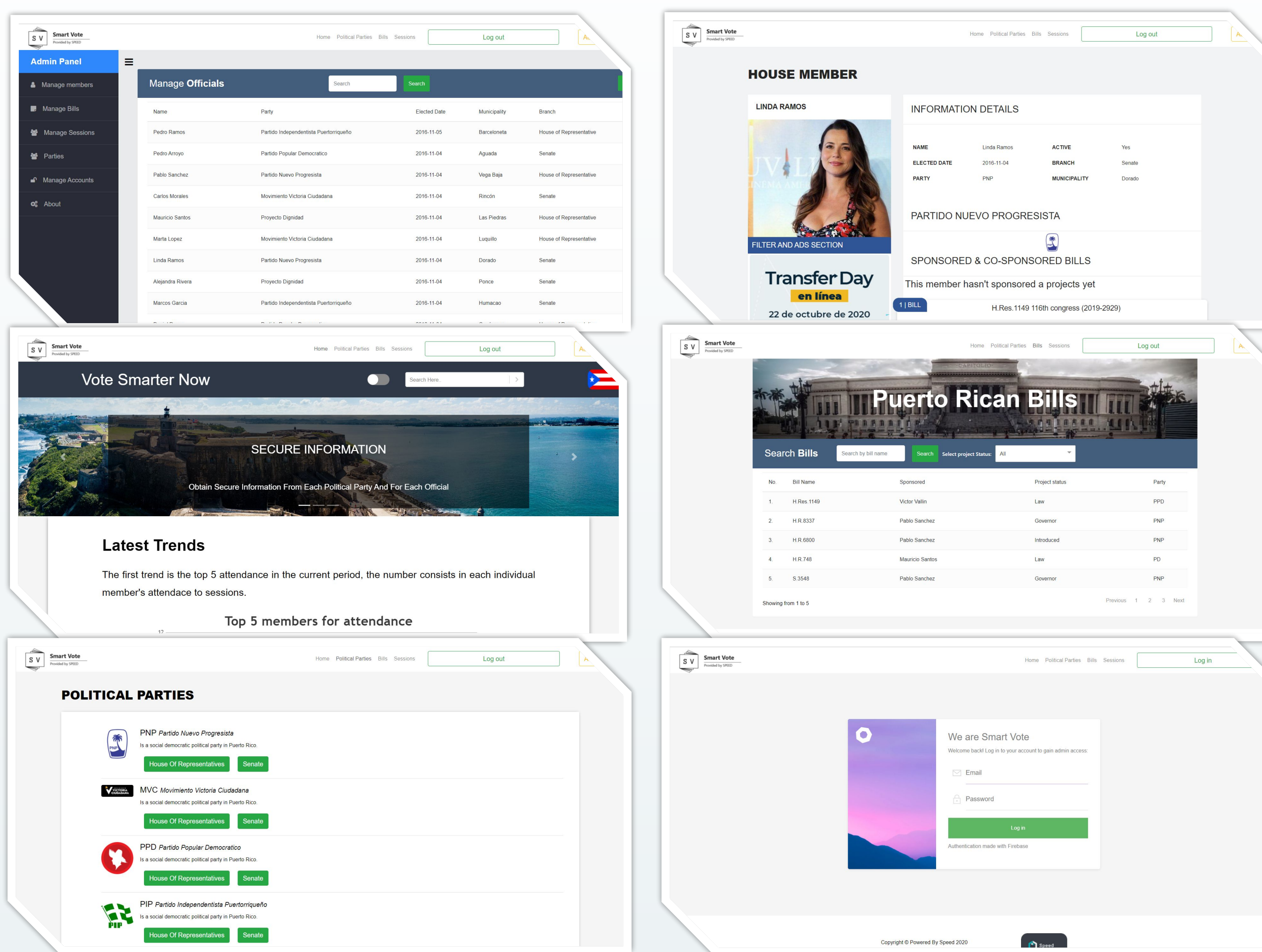
REQUIREMENTS

- ❖ View a profile of an elected officials that shows:
 - Session Attendance
 - Bills Sponsored
 - Bills Co-Sponsored
 - Voting Record of each Bill
- ❖ View a list of bills introduced and link/show.
- ❖ Filter for status bills passed/failed/pending.
- ❖ Voting record for each candidate with visual indicators for each party.

SYSTEM DESIGN



DESIGN AND IMPLEMENTATION



CONSTRAINTS

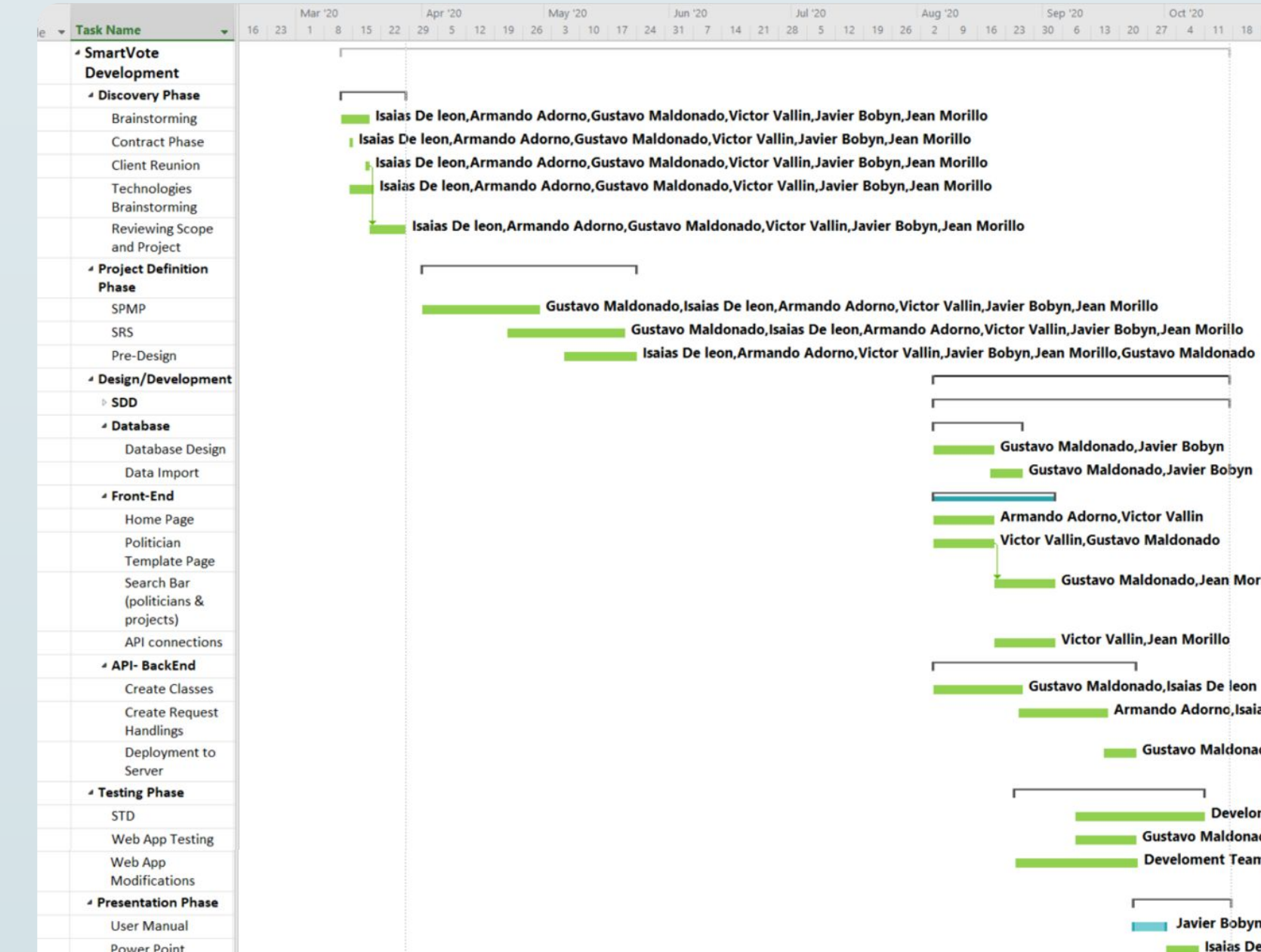
- ❖ The website must run in any OS with internet capability.
- ❖ The website must be able to run on Chrome, Safari, Opera, Firefox and Edge.
- ❖ Rest API implementation since it depends on the database being a completed structure.
- ❖ Internet Access is required.

DEVELOPMENT PROCESS & SCHEDULE

AGILE Development



Project Gantt-Chart



CONCLUSION

The requirements from the client were met. Smart vote is for any citizen, who has an interest to inform themselves about the government members activity in projects and in sessions in an organized easy to use Web Page with bills and projects filters for an easy search.

FUTURE WORK

In the future Smart Vote should be able to incorporate other features like:

- ❖ The client will decide how the application will be deployed to the users and how maintenance and updates are going to followed and get worked on.
- ❖ Demonstration of more Government information available to the public.
- ❖ More specific search filters.

DESIGN TEAM

Team Member	Student ID	Roles
Jean Morillo	93154 (COE)	• Project Manager • Front-end Developer
Isaias De Leon Millan	91747 (COE)	• Backend Developer • Software Engineer
Armando Adorno Adorno	89908 (COE)	• Software Engineer • Front-end Developer
Victor Vallin	62546 (COE)	• Software Engineer • Front-end Developer
Gustavo Maldonado	91390 (CS)	• Software Engineer • Front-end Developer
Javier Bobyn	60987 (COE)	• Database Administrator • Back-end Developer