

1 Project Management Tool

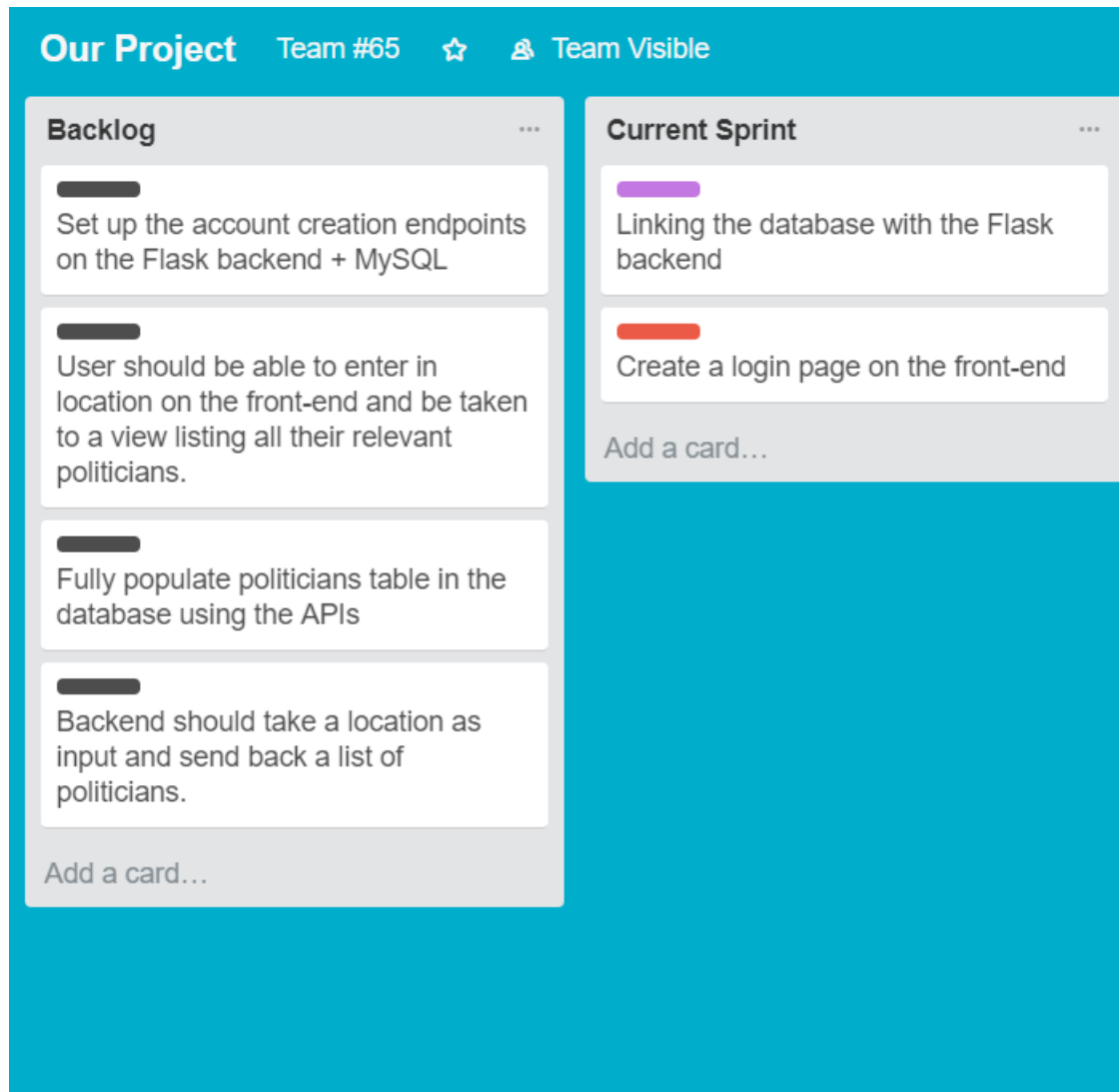
1. For this project, we plan on using Trello to actually manage and track our User Stories, current tasks, and integrated features.
2. Typically, Our sprints are going to last one week each, and we're going to be completing 5 sprints leading up to the functional prototype for Milestone 4, and 10 sprints until the final milestone. As it currently stands, our current product backlog only contains the user stories/tickets required to satisfy Milestone 4; we will continue to add to it during each sprint, and will add a lot more user stories once we reach Milestone 4 and are able to determine which additional features we were considering adding are feasible to add from there.

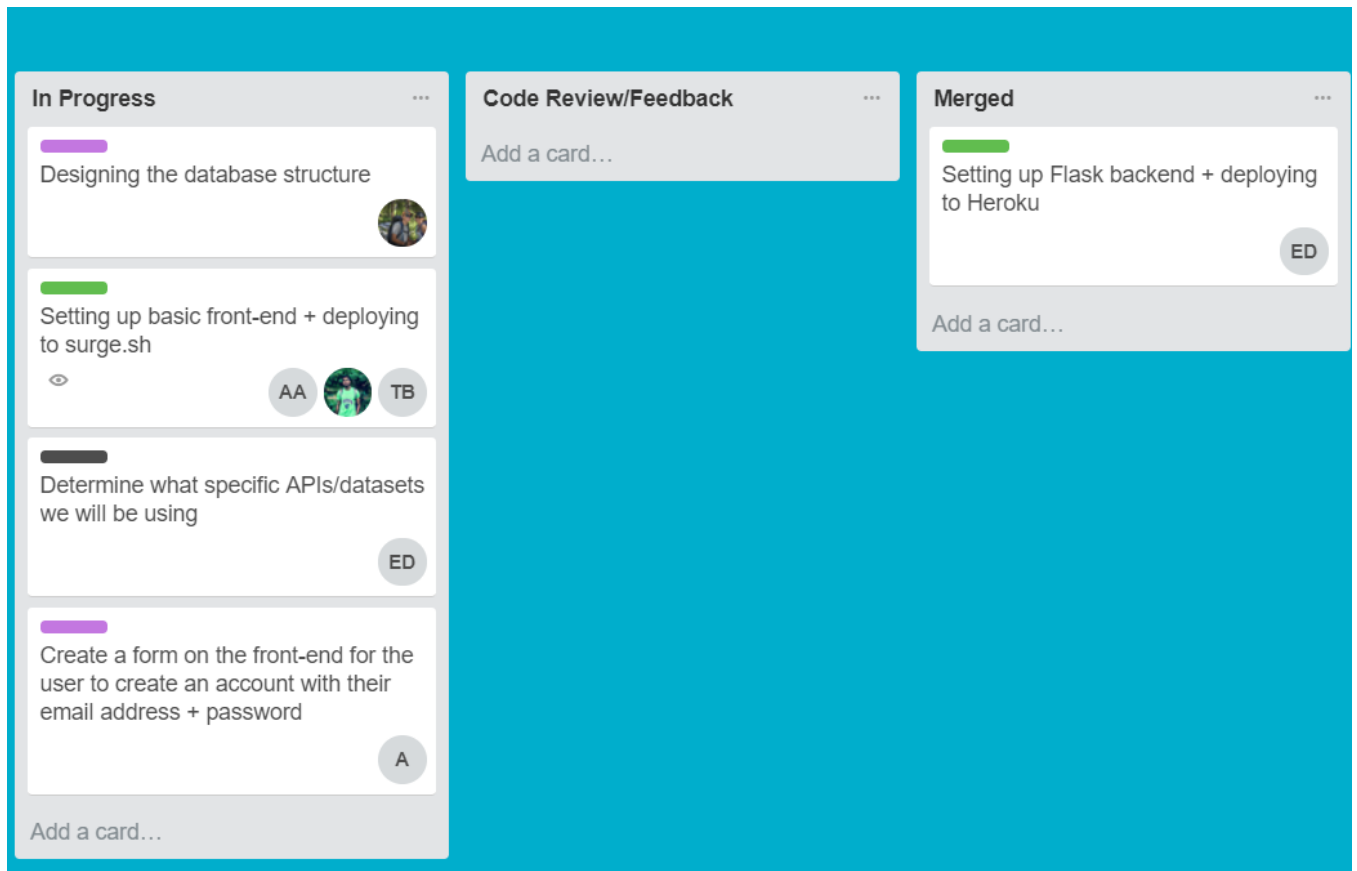
At the moment, the tasks we are currently working on implementing in the current sprint include:

- Designing the database structure, so that when we populate it, we are able to easily look up locations and return a list of politicians relevant to that location.
- Determining which API/Datasets we will be using to populate our database.
- Setting up a basic front-end with ability to fill out form to log in/register account and deploy that to surge.sh.
- Setting up the page on front-end that takes the user's zip code, sends that to the back-end/database, which returns a list of relevant politicians to the front-end. The front-end should then display these politicians.
- Setting up the Flask backend and linking said backend with our database.

2 Plan Cycle within the Project Management Method

The link to our Trello: <https://trello.com/b/QqFmXKHF/our-project>





3 Agile Methodology

1. Our standups occur biweekly; one quick, relatively informal one on Wednesday's over Slack, and one in-person on Saturdays. During the Saturday standup, we discuss what we have worked on for current sprint, what is done and what still needs working on that we discussed. This used to just consist of getting our project set up and discussing the methodology and tools we will be using. Currently though, it has been us discussing the basic skeletal structure of our project and how to implement it. After the Saturday standup, we will also engage in our sprint retrospective, as well as the sprint planning for the next sprint. Also if there are any group members who need to get together to try and plan/peer program out a feature, they do so after the Saturday sprint.

Here is a summary of one of our previous sprint retrospectives:

- For the most part, our group members have been working on familiarizing themselves with the tools and languages we are using on this project; such as Flask, React (HTML and Javascript), or the database itself. Or we have been working on getting the database, backend, or basic skeletal structure for the front-end set up.
- In the next sprint, our group members plan on getting the database linked with the backend, getting the backend properly linked with the front-end and working on the architecture of the backend, and fleshing out the front-end.
- As far as obstacles we have had to contend with so far, these include:
 - Figuring out what our database is actually going to be populated with/need to know more about database structure.
 - A lack of familiarity with React (which is just going to require that member to read up on it on his own time).
 - Confusion as to how the front-end and backend will be linked.
- As far as what went well in the last sprint, many of the group members have said that they are happy with the level of teamwork, motivation, and communication this early on in our project, and hope that this remains the norm for the semester. We are also somewhat happy with the progress on the first few items that have been given a skeletal structure.
- Mostly, what didn't go well were the few cases where scheduling conflicts or academic conflicts that prevented the group from meeting with full attendance occasionally.