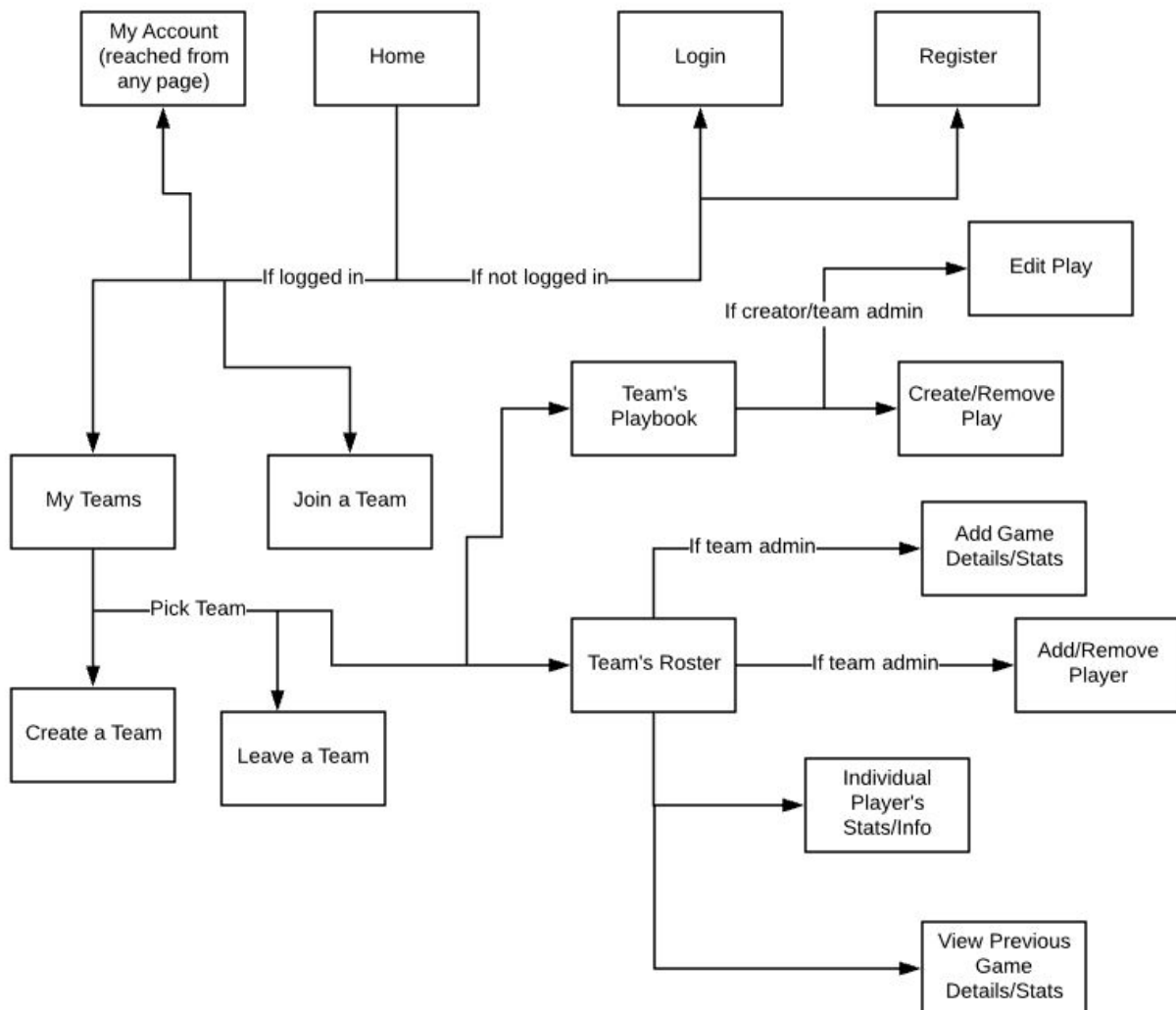# Project: BorkBook
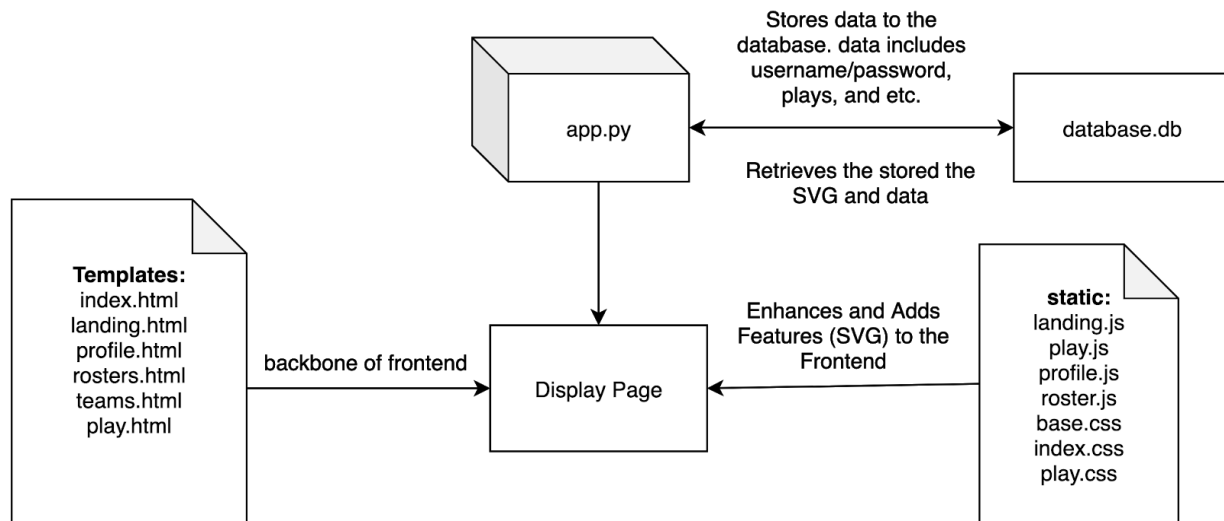
Project Summary

A tool to aid sports teams by organizing their playbooks, rosters, and game stats. It would be helpful for teams to better communicate and explain plays through visuals (created using SVG and stored in a database) while making them easily accessible and editable by the creator and team admin.
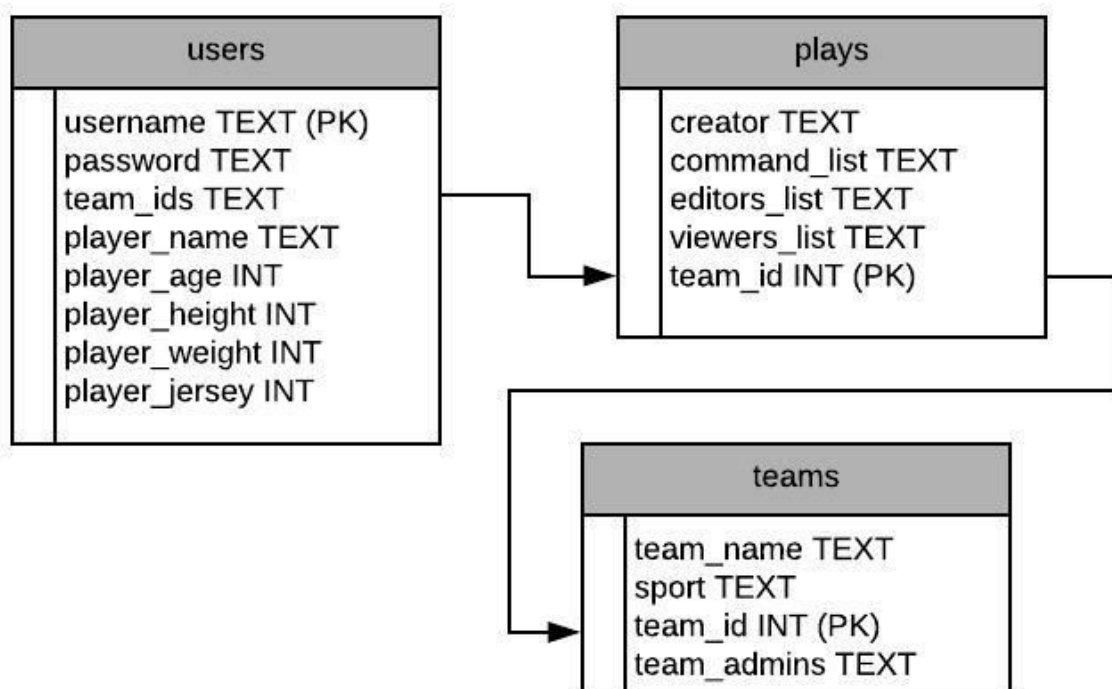
Site Map

Component Map

Stores data to the database. data includes username/password, plays, and etc.

app.py

database.db

Retrieves the stored the SVG and data

Templates:
index.html
landing.html
profile.html
rosters.html
teams.html
play.html

backbone of frontend

Display Page

Enhances and Adds Features (SVG) to the Frontend

static:
landing.js
play.js
profile.js
roster.js
base.css
index.css
play.css

Database Schema*

users
username TEXT (PK)
password TEXT
team_ids TEXT
player_name TEXT
player_age INT
player_height INT
player_weight INT
player_jersey INT

plays
creator TEXT
command_list TEXT
editors_list TEXT
viewers_list TEXT
team_id INT (PK)

teams
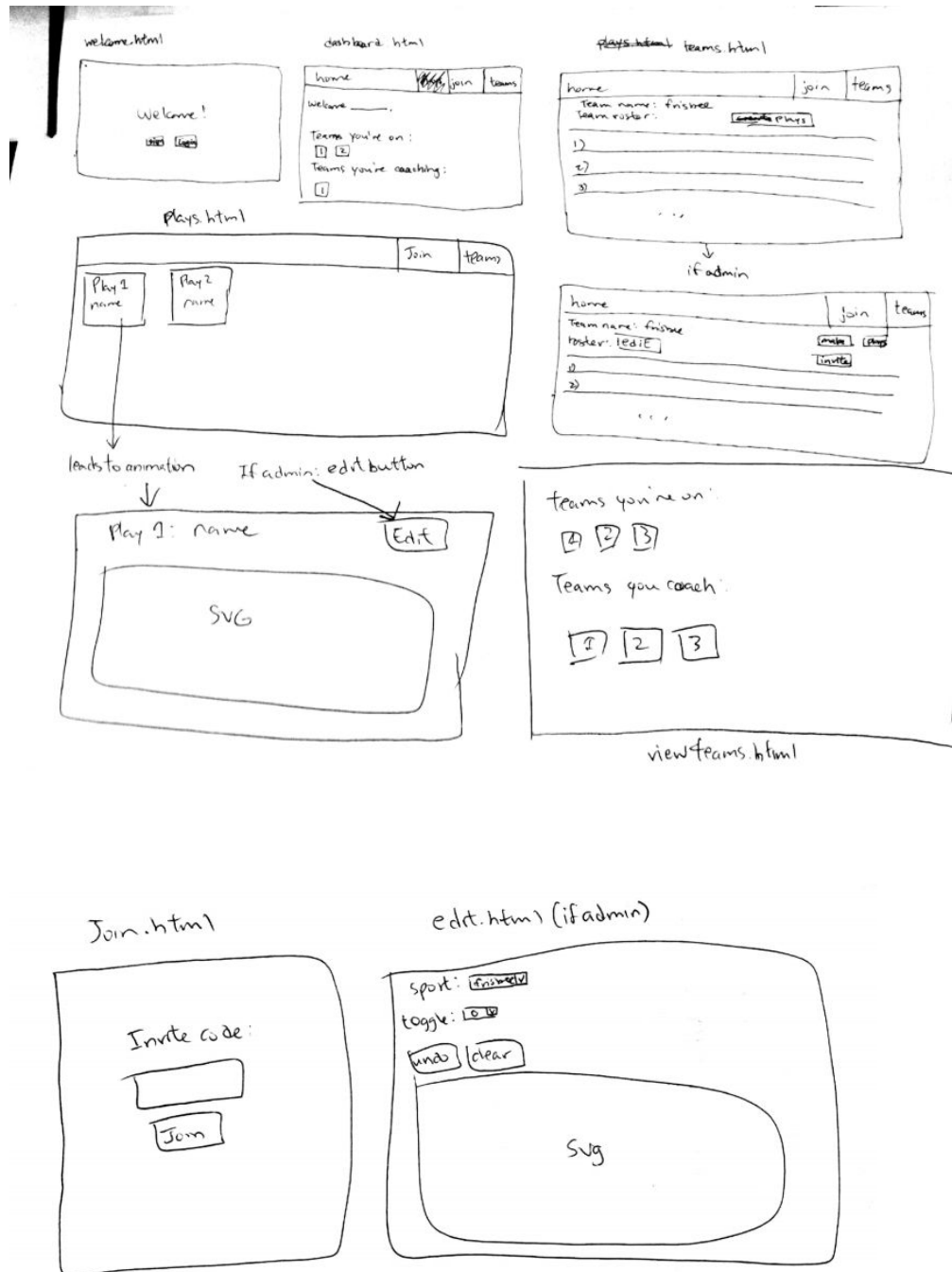team_name TEXT
sport TEXT
team_id INT (PK)
team_admins TEXT

* subject to change

Frontend Framework: Bootstrap

Our members are simply more acquainted with Bootstrap and therefore, we will be using it for the purposes of this project.

Other Diagrams / Visuals

Roles

Thomas Zhao
- Project Manager
- Database Manager (SQLite)

Xiaojie (Aaron) Li
- Frontend Developer (HTML, CSS)
- App Developer (*app.py*, Python)

Stefan Tan
- SVG Manipulator (SVG, JavaScript)
- App Developer (*app.py*, Python)

Johnny Wong
- Database Manager (SQLite)
- SVG Manipulator (SVG, JavaScript)

Anticipated Timeline

May 17th, 2019
- Site map functionality should be completed
- Components from the component map should be in place
- Login functionality should be implemented
- User should be able to place SVG elements and move them around

May 23rd, 2019
- Roster functionality should be completed
- Creating plays should be finished

May 25th, 2019 to May 26th, 2019
- ULTIMATE FRISBEE STATE CHAMPIONSHIPS :D

May 28th, 2019
- Editing existing plays should be functional

May 31st, 2019
- Site should be fully functional

June 3rd, 2019
- Finalize the frontend (CSS, Bootstrap, etc.)
- Test for any bugs and robustify code
- Possibly add anything considered a stretch