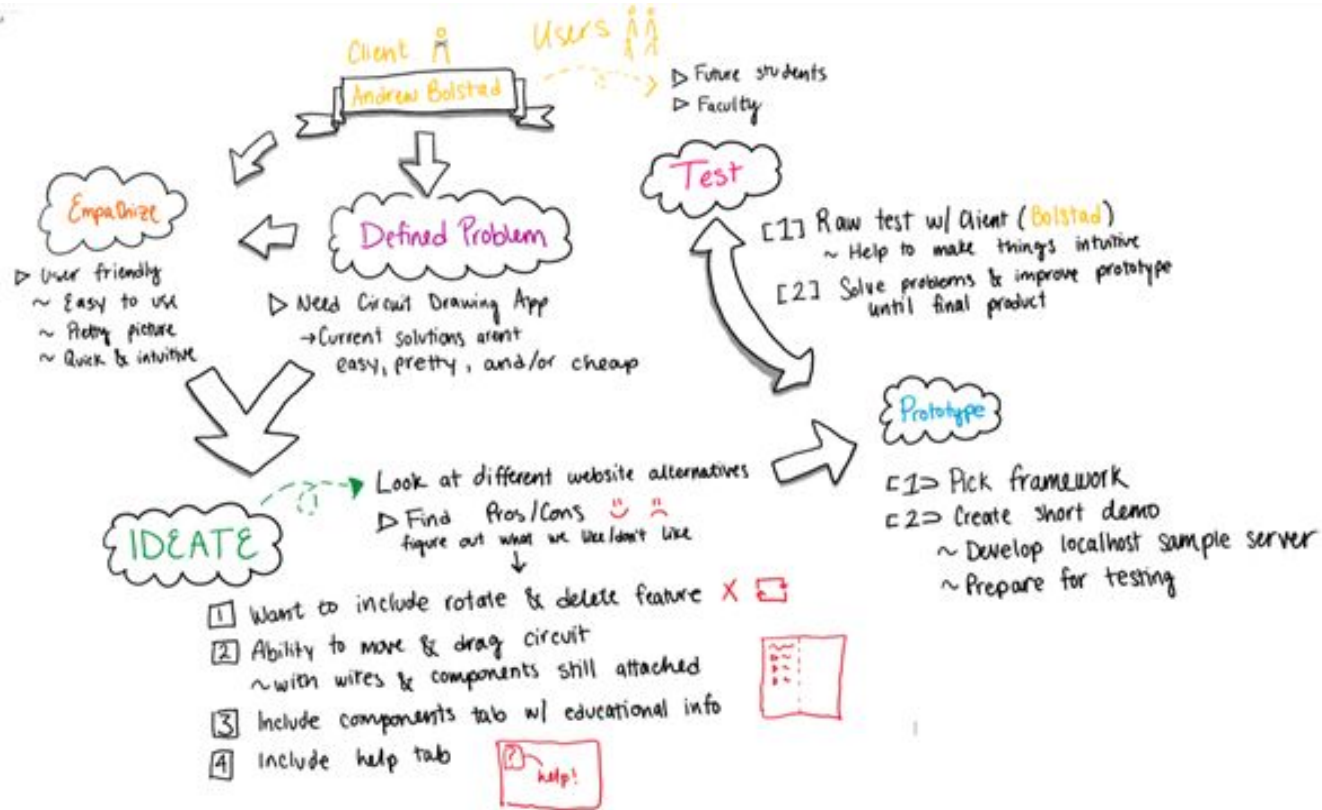


Circuit Drawing Website

— Advisor & Client: Andrew Bolstad —

Team Members: Joe Veal, Alex Sutton, Cassie Plata, Tyler
Schurk, Luke Maring, Keegan McCarthy

Project Plan Concept Sketch



Project Plan Summary

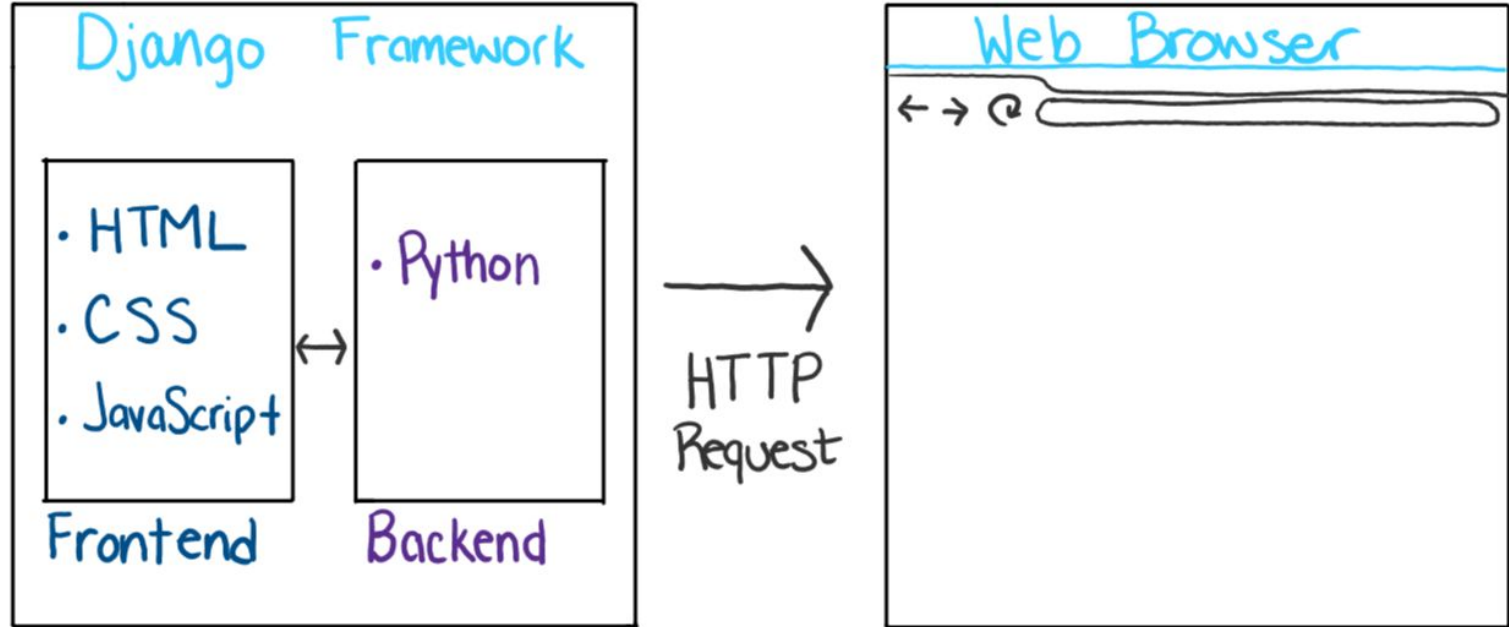
- Our Client, Andrew Bolstad, is looking for a drawing tool to create circuits for use in his presentations that will be visually appealing, free, easy to use, saved, and web-based.
- At the completion of the project, we plan to satisfy several functional and non-functional requirements such as:
 - Drag/drop features
 - Wires that attach & move with components
 - Circuits that can be saved
 - Components that have labels & values
 - A Help menu and an Educational tab with example circuits

Design Concept Sketch

The screenshot shows a web browser window titled "Circuit Drawing and Simulation". The address bar displays "127.0.0.1:5500/index_vs.html". The interface is organized into several sections:

- Left Sidebar:** A vertical menu with buttons for "Welcome!", "Home", "Drawing Tutorial", "Basic Designs", "Saved Designs", "Circuit Tutorials", "Help", and "About Website".
- Top Center:** A blue "Download" button.
- Right Sidebar:** A vertical menu with buttons for "Simulate", "Voltage Source", "Resistor", "Capacitor", "Inductor", "Op Amps", "Ground", and "Wire". Below this is a "Part Preview" section.
- Central Canvas:** A large workspace containing a circuit diagram. The diagram features a DC voltage source on the left, a resistor in series with its negative terminal, and an operational amplifier (op-amp) configured as a voltage follower. The op-amp's non-inverting input (+) is connected to ground, and its output is connected to its inverting input (-) through a resistor.

Implementation Diagram



Current Implementations

Because we broke up our team into smaller groups, below is a list of separate features that have been implemented:

- The draw space with component “drag” and “drop” features
- Django framework with URL platforms
- HTML/CSS website design
- Drawspace download features

Task Status

- User Authentication with django - in progress
- Save feature with django - in progress
- Snap on wire connection - in progress
- CSS website layout adjustments - in progress

Tasks & Responsibilities

Drawing Space

Cassie: front-end
code leader

Tyler: front-end
coder

Back-end Django

Joe: back-end code
leader

Alex: meeting
facilitator & scribe

HTML/CSS

Keegan: team
leader

Luke: report
manager