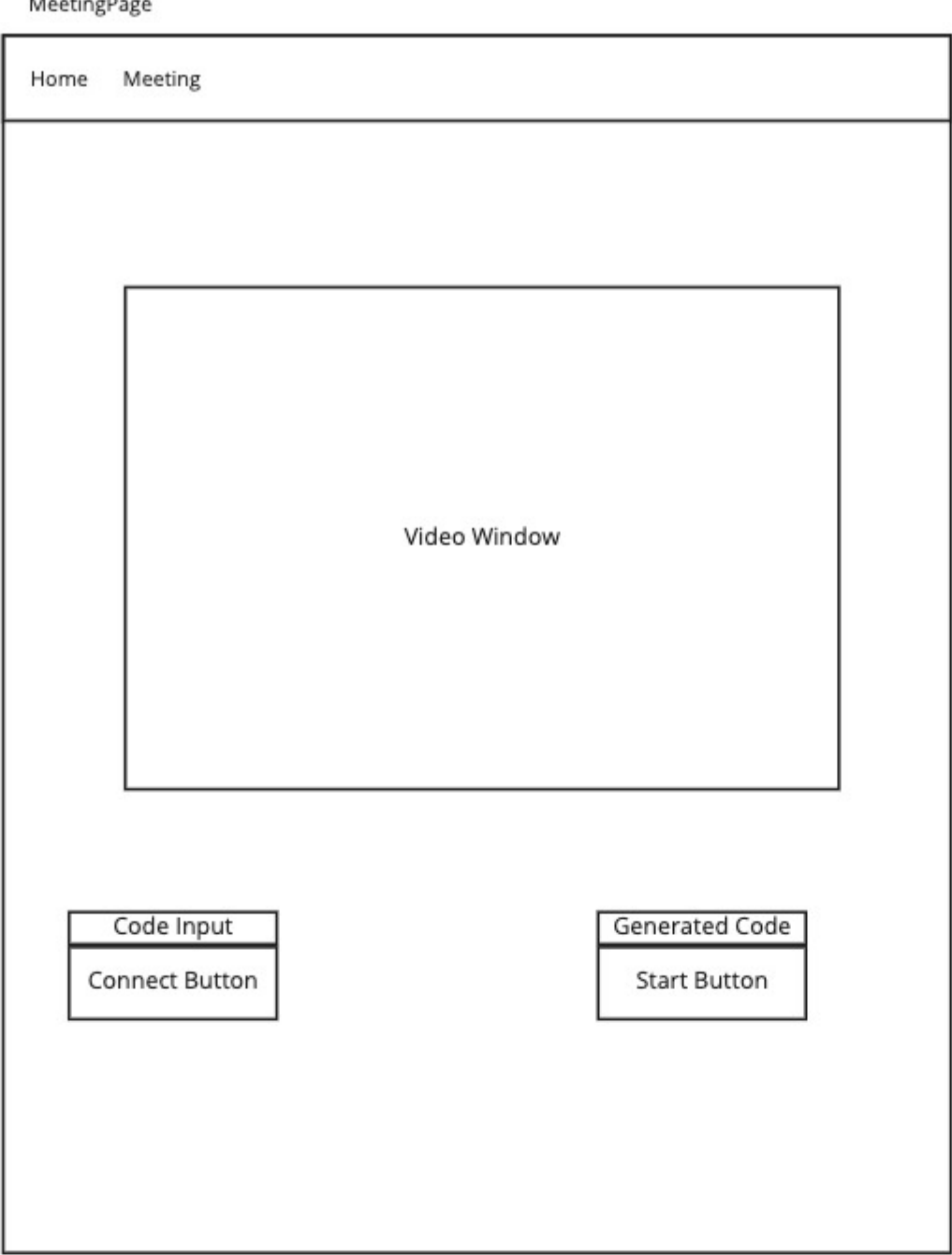




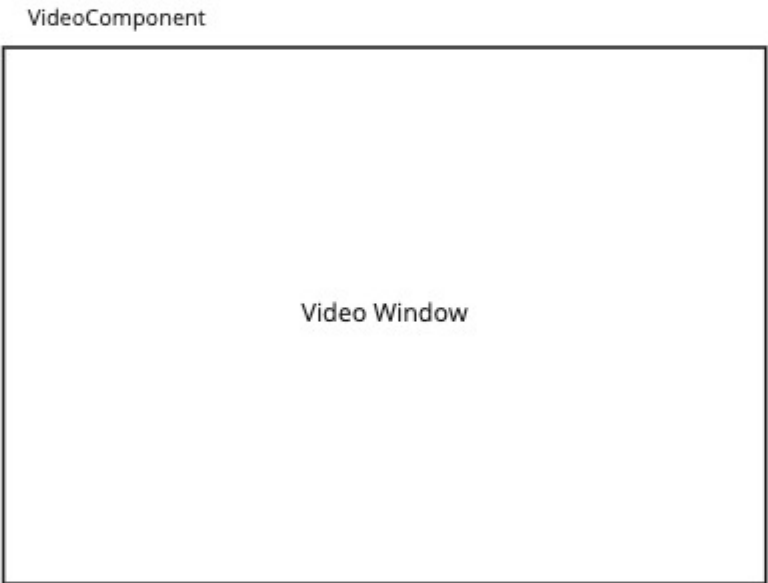
- Contains AppInformationComponent and NavBarComponent
- Landing page

- Tech**
- Node (Backend)
 - React (Frontend)
 - Web RTC (Video Tech)
 - React Bootstrap (Navbar/Buttons)
 - Styled Components (To make styles reusable and scoped)
 - React Router (Routing)
 - ESLinter (I like a strict config for linter and prettier, not sure how you feel about that though)
 - Prettier (Just worth it)

- File Structure**
- src
 - assets
 - components
 - navbar.js
 - HomeComponents
 - HomePage.js
 - HomeInfo.js
 - HomeStyles.js (StyledComponents)
 - MeetingComponents
 - ConnectComponent.js
 - MeetingPage.js
 - StartComponent.js
 - VideoComponent.js
 - MeetingStyles.js (StyledComponents)
 - app.js
 - globalStyles
 - appStyles.js (StyledComponents -> styling applied to entire app)

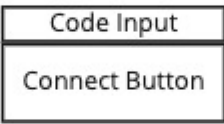


- Contains NavBarComponent, VideoComponent, ConnectComponent, and StartComponent



- Use WebRTC for connection
- Displays video for another computer or a black screen prompting either to wait (await message) or brief directions about below buttons.

ConnectComponent

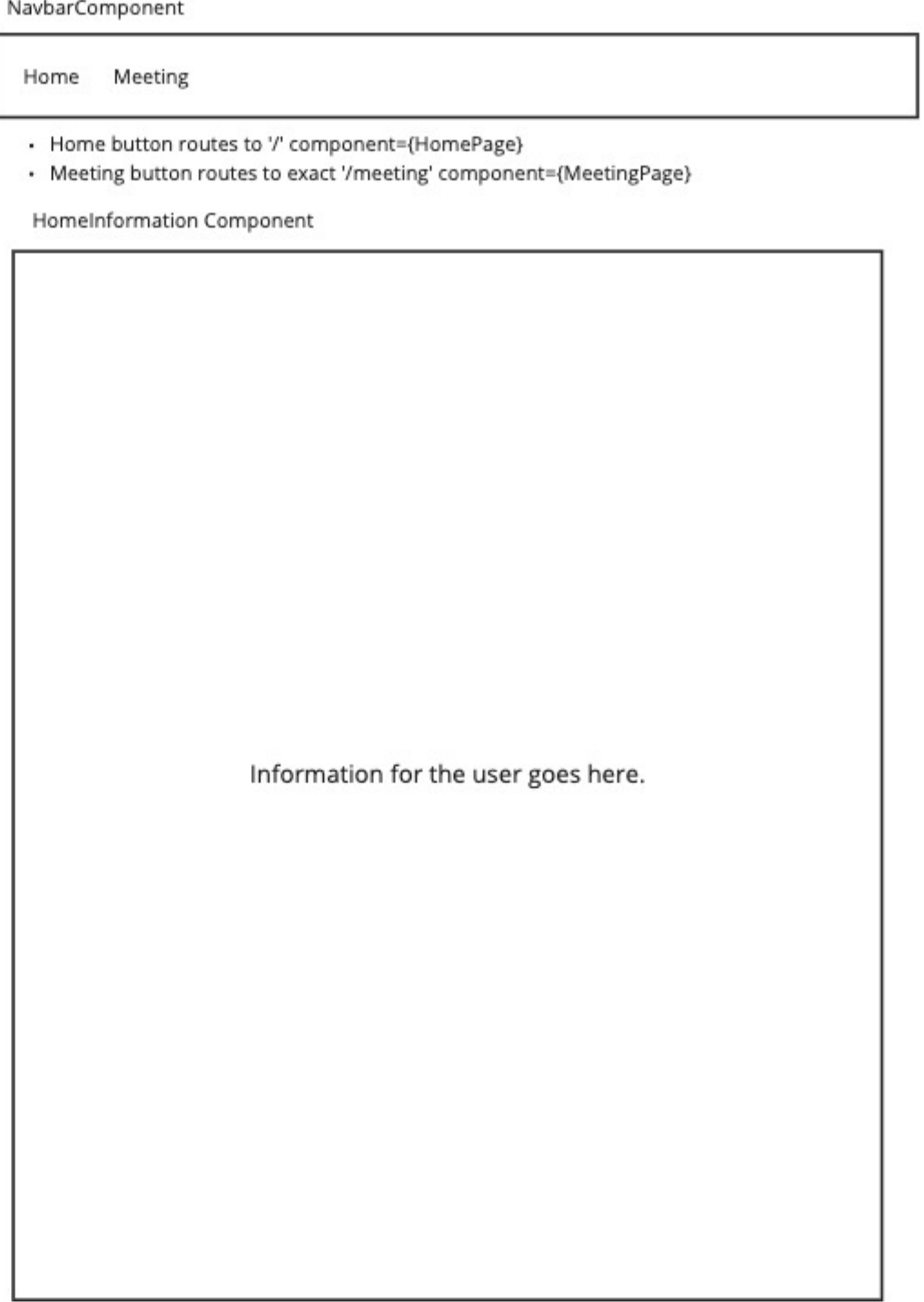


- If a user types in a code in the code input and then hits the connect button, the video window will prompt user to wait if code is valid or display that the code is invalid.
- If a user hits the connect button without typing in a code, the video window should prompt user to type in a code to connect.

StartComponent

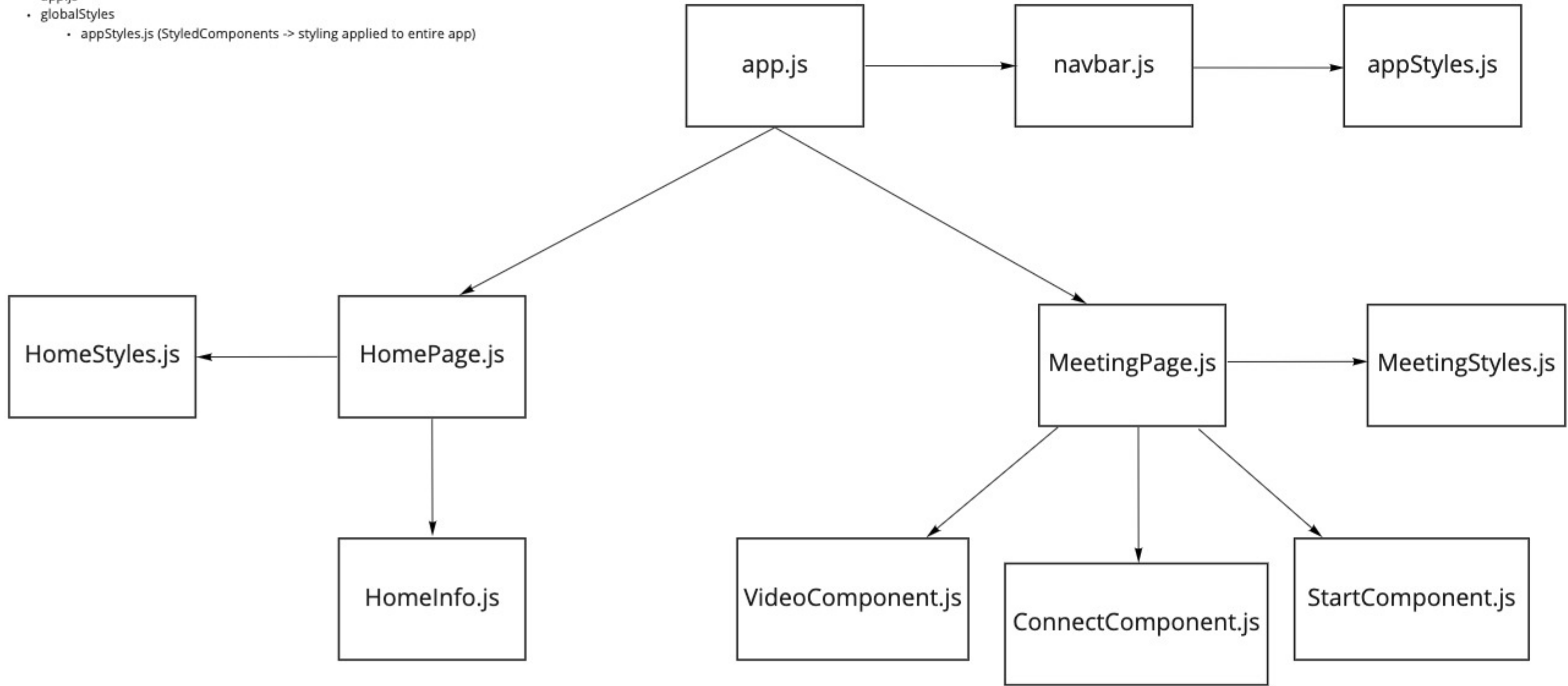


- If a user clicks the 'start button', the 'video window' should display a connection code.
- Each time the user clicks the 'start button', a new code should be generated in the 'video window'.
- The 'video window' will change from displaying the generated code to "connection in progress" once it detects another user connecting.
- When a connection is in progress, the 'start button' and the 'connect button' will be disabled for the session to prevent the app from crashing.



- Explanation of web app.
- Explanation of how we intend users to use our web app.
- How to use our web app to create or join a one on one video conference.

Data Hierarchy (if I change blank what else will change?)



User Stories

- MVP** (Minimum Viable Project - Minimum needed for production)
- A user can visit our site and know what and how to use the site from what they see on the landing page (Home)
 - A user can fully access the site without needing to login
 - A user can generate a code for another user to use
 - A user can start a meeting by generating a code
 - A user can enter in a code they received from another user to join their meeting
 - A user can not generate the same code twice

Stretch (Easy features that aren't needed for production)

- A user can toggle their camera on/off
- A user can toggle their mic on/off
- A user can share their screen (navigator.mediaDevices.getDisplayMedia())
- A user can create a meeting with more than one other user
- A user can join a meeting with more than one other user

Golden (Features that would make the app feel perfect)

- A user will have access to video tools such as the ability overlay the video with drawing and shapes the other users can see.
- A user can create an account
- A signed in user can password protect their meeting
- A signed in user will have a greater time limit on their meeting
- A signed in user can have more people in a meeting than if not signed up
- A paying user will have no time limit on their meeting
- A paying user will have access to additional features such as breakout rooms