

WhenToMeet

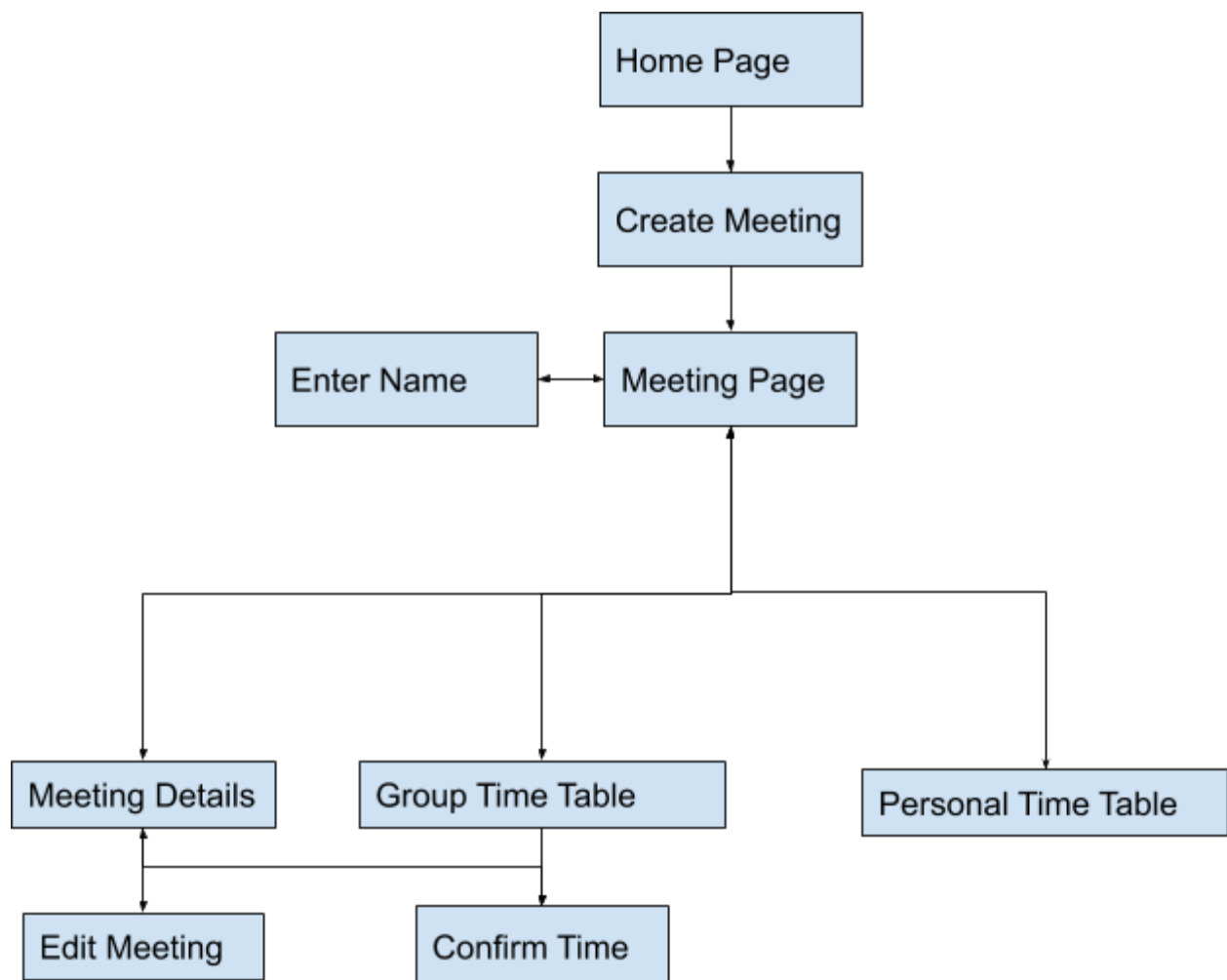
Incremental Testing and Regression Testing

Team 17

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Classification of Components

Define all Components



Modules:

Home Page

- Input: None
- Output: None
- Parent Dependency: None
- Child Dependency: Create Meeting

Create Meeting

- Input: title, description, location
- Output: none
- Parent Dependency: Home Page
- Child Dependency: Meeting Page

Meeting Page

- Input: none
- Output: none
- Parent dependency: Create meeting
- Child dependency: Meeting details, enter name, group time table, personal time table

Enter Name

- Input: Name
- Output: None
- Parent dependency: Meeting Page
- Child dependency: Meeting Page

Meeting Details

- Input: None
- Output: Title, Description, Location, Invite URL, Confirmed Time
- Parent dependency: Meeting Page, Confirm Time, Edit Meeting
- Child dependency: Edit Meeting, Enter Name

Edit Meeting

- Input: Title, Description, Location
- Output: None
- Parent Dependency: Meeting Details
- Child Dependency: Meeting Details

Group Time Table

- Input: Members of a Meeting
- Output: A table displaying the availability of group members at certain times
- Parent Dependency: Meeting Page
- Child Dependency: Confirm Time

Confirm Time

- Input: Time Selected
- Output: Dialog that asks the user to confirm the selected time
- Parent Dependency: Group Time Table, Meeting Details
- Child Dependency: None

Personal Time Table

- Input: Current User's Times
- Output: A table displaying the times the user has selected
- Parent Dependency: Meeting Page
- Child Dependency: None

Which form of Incremental Testing did you follow?

We followed bottom-up incremental testing. We started out designing individual components for the frontend. We made sure these smaller components worked with test data, and then integrated them with higher level components that then passed down the actual data to them.

Incremental and Regression Testing

Module: Home Page

Method: Manual

Incremental Testing

Defect #	Description	Severity	How Corrected
1	Home page redirects directly to a blank meeting page	Critical	Ensured that the create meeting component would only redirect after a meeting was created by creating a boolean variable, redirect, that defaults to false and only becomes true after creating the meeting

Module: Create Meeting

Method: Manual

Incremental Testing

Defect #	Description	Severity	How Corrected
1	In Create Meeting, meeting sometimes doesn't redirect after clicking create meeting, while still creating the meeting.	Important	Added the redirect component of the react-router-dom and implemented it upon form submit.
2	When attempting to type the inputs, description and location doesn't allow you to input any text	Critical.	Changed the values in the TextField object in the code from a static value to a non static value.

Module: Meeting Page

Method: Manual

Incremental Testing

Defect #	Description	Severity	How Corrected
1	The user isn't remembered when they refresh the page or come back to the same meeting page	Critical	Store the user's id in localStorage

Regression Testing

Defect #	Description	Severity	How Corrected
1	After refreshing the page, the meeting page would error out and return an error	Critical	Created a member object with the correct default values

Module: Meeting Details

Method: Manual

Incremental Testing

Defect #	Description	Severity	How Corrected
1	Invite URL was not displaying after creating a new meeting	Critical	Added the invite url to the meeting object.

Module: Edit Meeting

Method: Manual

Incremental Testing

Defect #	Description	Severity	How Corrected
1	Upon clicking on the button to confirm edited details, the dialog box does not close.	Important	Updated the state of the dialog box to be set to closed upon clicking the button.
2	Upon confirming the edited details, the meeting is not updated on the meeting page	Important	Passed the state of the meeting details to the edit meeting component and edited it through there.
3	While editing the details, the meeting page would show the edits before those edits were confirmed	Workaround	Changed the timing on when the data is changed to be only after the user has confirmed that he wants changes made.

Module: Group Time Table

Method:

Incremental Testing

Defect #	Description	Severity	How Corrected
1	When retrieving the data for the members in a meeting, an individual call to GET /member must be made for each member	Workaround	Create an endpoint that returns all of the members in a certain meeting at once
2	The times selected by other members don't display on the group time table	Critical	Save the member's time information in the list of members on the meeting

Regression Testing

Defect #	Description	Severity	How Corrected
1	When no times are selected, the group time table only has the time columns.	Workaround	If no times are selected, this component is replaced by text saying no times have been selected

Module: Personal Time Table

Method:

Incremental Testing

Defect #	Description	Severity	How Corrected
1	Each small change to the times results in an individual API request, meaning multiple requests happen in quick succession	Important	When a change is made, run an asynchronous function that waits for 2 seconds before sending all of the changes from the past 2 seconds

Regression Testing

Defect #	Description	Severity	How Corrected
1	Inputting times causes lag	Critical	Store the time information in a normal variable instead of a state variable so that the component doesn't rerender after every change

Module: Confirm Time

Method: Manual

Incremental Testing

Defect #	Description	Severity	How Corrected
1	PUT /meeting returning a 400 error when trying to select a time	Critical	Don't put any empty values inside of the JSON sending to the backend

Regression Testing

No defects