Design Inspection, Code Inspection and Unit Testing

Team 8

Team Members: David Carr, Shivan Desai, Reid Kippenbrock, Laura Kristie, Paul Krivacka

Design Inspection Defects

Product: Home Page Module
Date: 2/8/19
Author: Team 8
Moderator: Reid Kippenbrock
Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: Paul Krivacka

Defect Number	Description	Severity	How Corrected
001	The top bar does not correctly check whether or not a user is logged in	1	The function to check whether or not a user is logged in needs to be re-implemented in react

Product: Navbar Module
Date: 2/8/19
Author: Team 8
Moderator: Paul Krivacka
Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: Paul Krivacka

Defect Number	Description	Severity	How Corrected
001	The login frontend is not correctly linked up with the database	1	Link the database up with the backend and create the function calls to create

Defect Number	Description	Severity	How Corrected
			accounts, log in, and check whether or not a username exists.
002	The login frontend doesn't submit its data to the server	1	Create a login handler on the server and return with the state of the login (success true or success false and a reason why)

Product: Potential Matches Module
Date: 2/8/19
Author: Team 8
Moderator: David Carr
Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: David Carr

Defect Number	Description	Severity	How Corrected
1	Potential Matches Algorithm does not check for preferred gender.	2	Check is made in first part of potential matches algorithm for only adding matches to random selection when the gender equals the preferred gender.
2	Potential Matches are not saved in the database so new matches are generated each time the page loads.	2	Save the result of the findMatches function in the database and check for existing potential matches before generating new potential matches.
3	Previous matches is not updated for both the logged in user and the users	2	Get the id for each of the potential matches so push calls can be made to the database

	matched.		to update the matched users' lists.

Product: Personality Questionnaire Module
Date: 2/8/19
Author: Team 8
Moderator: David Carr
Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: Laura Kristie

Defect Number	Description	Severity	How Corrected
1	The personality questionnaire isn't linked after to the to the other pages	1	Adding a button to bring up the personality questionnaire for the user.
2	The questionnaire doesn't disappear and redirect to the correct page after a user fills it out and clicks submit.	1	Adding redirection to the next questionnaire after the submit button is clicked.
3	There is no button for the user to close the personality questionnaire	1	Add exit button for the user to quit taking the questionnaire.

Product: Coding Questionnaire Module
Date: 2/8/19
Author: Team 8
Moderator: Shivan Desai
Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	The coding questionnaire isn't linked up to the to the	1	Link the coding questionnaire to other pages.

	other pages		
002	There is no button for the user to close the coding questionnaire	1	Add exit button for the user to quit taking the coding questionnaire.

Product: Coding Questionnaire Module
Date: 2/8/19
Author: Team 8
Moderator: Shivan Desai
Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: Shivan Desai

Defect Number	Description	Severity	How Corrected
003	The questionnaire doesn't redirect to the necessary pages after the user clicks on submit	1	Adding redirection from the coding questionnaire to the user's profile page.
004	The questionnaire doesn't correctly save data on the database.	2	Adding a work-around to link every questionnaire to the correct user for matching purposes.

Code Inspection Defects

Product: Hε>llo World Navbar Code Inspection Defects
Date: 2/8/19
Author: Team 8
Moderator: Reid Kippenbrock
Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: Paul Krivacka

Defect Number	Description	Severity	How Corrected
001	Navbar waits 100 ms	3	The

Defect Number	Description	Severity	How Corrected
	before properly setting the login/logout button		componentDidMount() react function.
002	There is no way for the navbar code to access the database	1	Install the firebase node module and add the require function to the server.
003	PageRedirect.js is hardcoded to only work for the localhost	1	Create the other cases to check for whether or not the page is hosted locally

Product: Potential Matches Module
Date: 2/8/19
Author: Team 8
Moderator: David Carr
Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: Reid Kippenbrock

Defect Number	Description	Severity	How Corrected
1	mainUser could be undefined in mainUser = db.collection("usersPQ").where("user", "==", userName)	2	Add check for undefined and return an empty array in that case.
2	Length of the top 10 matches could be 0.	2	Move the check for scores.length to the top of the for loop that starts in line 93.

Product: Personality Questionnaire Module
Date: 2/8/19
Author: Team 8
Moderator: Laura Kristie
Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	The code "const questionnaireRef = firebase.database().ref('usersPQ');" is correctly accessing the database.	1	Look into Firebase documentation and change how the database is accessed.
002	The code "<button type="submit" onSubmit={this.handleSubmit}>Submit</button>" doesn't trigger the function handSubmit.	1	Change the way the function is triggered(onClick).

Product: Coding Questionnaire Module
Date: 2/8/19
Author: Team 8
Moderator: Shivan Desai
Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	The code "const questionnaireRef = firebase.database().ref('usersCQ');" is correctly accessing the database.	1	Look into Firebase documentation and change how the database is accessed.
002	The code "<button type="submit" onSubmit={this.handleSubmit}>Submit</button>" doesn't trigger submission	1	Change the way the function is triggered (onClick).

Product: Profile Page Module
Date: 2/8/19
Author: Team 8
Moderator: Shivan Desai

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: Shivan Desai

Defect Number	Description	Severity	How Corrected
001	The images are always stored upside-down on the data-base, resulting in the images being displayed upside-down after retrieval.	1	Adding code to rotate the image by 180 degrees after each retrieval.

Testing Defect Log

Product: Hε>llo World Login Page Unit Tests
Date: 2/8/19
Author: Paul Krivacka

Defect Number	Description	Severity	How Corrected
001	Clicking the "Login" button does nothing	1	Integrated functionality from base html to the react page
002	Clicking the "Logout" +does nothing	1	Add functionality to the logout button that makes it redirect back to the home page
003	The login/signup page animations have not yet been ported over to react	3	Convert the CSS in the html file to the react css file for the home page

Product: Matching Algorithm Test Cases
Date: 2/8/19
Author: David Carr

Unit tests are done by putting artificial data in the database and runner since not all modules are completed and integrated yet.

Defect Number	Description	Severity	How Corrected
001	Test Cases 42-44 fail because the algorithm did not take into account the coding questionnaire answers.	2	Integrated the coding questionnaire answers into the algorithm.

Product: Personality Questionnaire Unit Tests
Date: 2/8/19
Author: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	Data does not appear in the database after the questionnaire is submitted.	1	Correctly implement code to write to the database.
002	The user clicks the exit button and no dialog box appears to prompt the user with their options.	2	Add dialog box with options when a user tries to leave to personality questionnaire.
003	The user tries to submit the questionnaire without filling out the questionnaire in full and no dialog box appears to warn the user.	1	Add warning dialog box and checks when user doesn't fill out all the personality questions.

Product: Coding Questionnaire Unit Tests
Date: 2/8/19
Author: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	Data does not appear in the database after the coding questionnaire is submitted.	1	Correctly implement code to write to the database.
002	The user clicks the exit button and no dialog box appears to prompt the user with their options(saving or exiting).	2	Add dialog box with options when a user tries to leave to coding questionnaire.
003	The user tries to submit the coding questionnaire without filling out the questionnaire in full and no dialog box appears to warn the user.	1	Add warning dialog box and checks when user doesn't fill out all the coding questions.

Product: Potential Matches Page
Date: 2/8/19

Defect Number	Description	Severity	How Corrected
001	More Potential Matches do not automatically get loaded into client when the user runs out.	2	A button was added to the webpage to force an update to the user list until user accounts are fully implemented
002	The Like button does not do anything	1	Until we have user accounts implemented in firebase, we cannot fully implement the like feature, instead we have a javascript function catching the event and printing to

Defect Number	Description	Severity	How Corrected
			the console
003	The dislike button does not do anything	1	Until we have user accounts implemented in firebase, we cannot fully implement the dislike feature, instead we have a javascript function catching the event and printing to the console

Product: Webpage Navigation
Date: 2/8/19

Defect Number	Description	Severity	How Corrected
001	Not all links in the Navbar link to a webpage	3	Added blank pages for all links