

## CS408: Design Inspection, Code Inspection and Unit Testing

### 1. Design Inspection

Defect #	Description	Severity	How Corrected
1	We had no way of tracking attendance for events.	1	We added a QR code scanner feature that allows for admin & moderators to scan people in.
2	We found that having the connections linked to the event itself would be cumbersome and not good user experience as the user would not be able to see all the connections he/she has made.	2	Solved this by getting rid of the connections page in Event and by making a connections tab in the navigation bar.
3	Realized there was no way for attendees to scan event beforehand to get information about the event to decide if they want to attend event or not.	3	Had to create a web application and make QR code for each event visible through a 3rd party, so that scanner within mobile application can be used to scan events beforehand.
4	Took out feature of being able to add events directly on mobile application.	1	Harder to record information about creating a new event, found it easier to do it through a web application and directly store new event into our API.
5	Scanner on main page can't be used to check attendance of an event (for moderators/admins)	3	Had to create 2 scanners, one for scanning new events and adding other people to connections (for regular members), the other used by

			moderators/admins to check members into the event. The 2nd scanner is only accessible to moderators/admins if they had those rights for an individual event.
6	We realized that having the participants viewable under the individual event page could lead to privacy issues.	2	We made it so only admins or moderators can see all attending participants.

## 2. Code Inspection

Product	Login/Register Page Design Inspection
Date	10/12/2017
Author	Team 13
Moderator	Marlo Delatorre
Inspectors	Peter Farmer, Vincent Jiang, Pranav Shekar
Record	Aneesh Vempaty

Defect #	Description	Severity	How Corrected
1	Can Register with nothing in the First and Last name field	1	Made an if statement so that we could check whether or not the First and Last name fields were blank
2	The text entered in the fields of the login page is not sent to the backend	2	Creating a fetch API call that posts to the backend server
3	Navigation error with Register and Cancel	2	Link wasn't properly

	button		established, because navigation didn't recognize cancel was linked to going back to the Login page. Fixed link by establishing another navigation call.
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Product	Profile Page Design Inspection
Date	10/12/2017
Author	Team 13
Moderator	Pranav Shekar
Inspectors	Aneesh Vempaty, Vincent Jiang, Marlo Delatorre
Record	Peter Farmer

Defect #	Description	Severity	How Corrected
1	Cannot exit the description box of edit profile page	2	Wrote a function that would check if you tapped the screen outside the text field. If that was true it would exit the edit field.
2	Page does not preload values from edit page	3	Pass props as you enter the page and then edit the props which would edit the state. We then send the props back to profile and update the state in profile and call the API to update the page

<b>3</b>	Selecting the connections navigation tab does not change pages	1	Add an onPress button that would navigate to that connections navigation tab
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Product	Event Page/Individual Event Page Design Inspection
Date	10/12/2017
Author	Team 13
Moderator	Pranav Shekar
Inspectors	Aneesh Vempaty, Vincent Jiang, Peter Farmer
Record	Marlo Delatorre

Defect #	Description	Severity	How Corrected
<b>1</b>	Clicking on individual event page's scanner then hitting back caused infinite loop (hitting back on event page after that caused it to go to scanner)	2	Realized that stack got cleared for navigating, making backtracking impossible. Changed navigation to not clear stack upon clicking on new button.
<b>2</b>	Image didn't load properly when retrieved from local file system	2	Changing the call function from a "uri: 'image/path.png'" to a "require('image/path.png')
<b>3</b>	Event text had issue aligning up properly in the center.	1	Realized AlignItem aligned the child of the text being aligned. Had to use AlignSelf in order to fix the text.

4	Event page connection to Individual page didn't show up properly; couldn't recognize there is a connection between the 2 pages.		Realized that App.js didn't contain information about Individual event page, making it impossible to navigate to the page.
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Product	Backend Register Login Inspection
Date	10/12/2017
Author	Team 13
Moderator	Pranav Shekar
Inspectors	Aneesh Vempaty, Vincent Jiang, Peter Farmer
Record	Marlo Delatorre

Defect #	Description	Severity	How Corrected
1	Issue didn't set headers for the post request so the call couldn't be made	2	Set header's field: Content-Type to application/json
2	The Heroku server was not deploying properly because the build package configuration was referencing the wrong directories	3	Added a package.json file to the root-directory that referenced the server folder directly
3	Log in authentication was failing because our Heroku server couldn't access the correct MongoDB document.	2	We relaunched a new instance of our MongoDB.

### 3. Unit Testing (black box)

Product	Login/Register Page Unit Test
Date	10/12/2017
Author	Team 13

Defect #	Description	Severity	How Corrected
1	When trying to register with no first or last name it does not produce an error message	1	Made an if statement so that we could check whether or not the First and Last name fields were blank
2	Even if you put the correct username/password combination, you would not be able to log in.	2	This is because the front end was not connected to the backend We fixed this by creating a fetch API call that posts to the backend server
3	When selecting the Cancel button on the Register Page, it would navigate back to the login page and just crash.	2	Link wasn't properly established, because navigation didn't recognize cancel was linked to going back to the Login page. Fixed link by establishing another navigation call.

Product	Individual Event/EventList Page Unit Test
Date	10/13/2017
Author	Team 13

Defect #	Description	Severity	How Corrected
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1	Clicking "Add Participant" does nothing	1	Added functionality to route to EventScanner
2	Clicking back to "EventList" from Individual Event Page doesn't go back to EventList	1	Route wasn't properly established between Event and EventList
3	EventList had an "Add" button	1	Removed it, doesn't exist in design anymore

Product	Scanner Unit Test
Date	10/13/2017
Author	Team 13

Defect #	Description	Severity	How Corrected
1	Scanner can recognize QR Code as a string but doesn't parse it	2	Wrote a function to parse string and create a call-back function to do desired action
2	Scanner doesn't always allow for camera permissions (sometimes will work, sometimes denies access)	1	Added always accessible permissions so camera will always be accessible in this app.
3	Cancelling QR Code string that was scanned doesn't allow Scanner to scan another QR Code	1	String is recognized to already have a value, so when cancel is called, string must be initialized back to null.

Product	Connect Page Unit Test
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Date	10/13/2017
Author	Team 13

Defect #	Description	Severity	How Corrected
1	Connection List sometimes doesn't display	2	Backend server sometimes unstable. Made it more robust to fix problem.
2	Clicking on Connection Profile sometimes return blank profile page	2	Backend server sometimes unstable. Made it more robust to fix problem.
3	Connection Profile page allows to edit other people's profiles	1	Created method to check login user with profile of user being viewed. If not same, made button invisible.
4	QR Code still exists in other people's' page with wrong QR Code	2	Page shouldn't exit, deleted the header and any button correlated to that page on other people's profile page.