Team 26
09/22/2017

Design Inspection / Code Review #1

Team GymWorkout

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Product	GymWorkout Login design inspection
Date	09/22/2017
Author	Dhiman Swadia
Inspector	Dhiman Swadia

Defect #	Description	Severity	How it was corrected
1	Successful login redirects to the login page again	1	Set separate paths on the storyboard to redirect depending on what the firebase returns
2	Custom registration would not sync with the database	1	Configure the database properties to direct it in the proper direction
3	Figuring out a validation for ID's and passwords	2	Checked the fields before sending them to the server before authentication

Product	GymWorkouts workout list design inspection
Date	09/22/2017
Author	Manoj Polisetti
Inspector	Manoj Polisetti

Defect #	Description	Severity	How it was corrected
1	No way to delete a preset workout from the list	3	Added a feature which lets you swipe and delete preset lists if needed
2	No way to add back a preset list once deleted	3	Changed the view so that the preset lists are always available to save from the list of workouts
3	No way to delete a created workout from the list	3	Added a feature which lets you swipe and delete created lists if needed
4	There is no way to edit a preset list	3	Added the feature to edit not just created but preset lists as well

Product	GymWorkouts home page design inspection
Date	09/22/2017
Author	Manoj Polisetti

Inspector	Manoj Polisetti

Defect #	Description	Severity	How it was corrected
1	No way to check out your "Profile"	2	Added the table id controller for a Profile page and directed it to a new view controller
2	No way to edit the number of reps on a created list	3	Added a feature to edit the number of repetitions on both preset and created lists without the need to make an entire new list
3	No way to name and differentiate different created workouts	2	Added a new id tag to categorize a created workout and a way to change the name once the list is made

Code Inspection

Product	Gym Workouts Login Code Inspection
Date	09/22/2017
Author	Dhiman Swadia
Inspector	Harsha Lingareddy

Defect #	Description	Severity	How it was corrected
1	Unaccepted passwords would still go to the server	1	Perform validation checks and thoroughly check that all password requirements are met
2	Slow password parsing performance	1	Reduced redundancy in checks in order to account for a better performance
3	Email validation checks are not working properly	1	Add more tokens such as gov, edu so that they're not treated as invalid
4	At login, the password was not hashed before being sent to the server	2	The backend deals with the hashing and only gives us the auth id

Product	GymWorkouts Login Code Inspection
Date	09/22/2017
Author	Dhiman Swadia
Inspector	Harsha Lingareddy

Defect #	Description	Severity	How it was corrected

| 1 | If credentials with spaces are entered, app still sends it to the server | 1 | Fixed the string input before it went to the server |

Product	Gym Workouts Code Inspection
Date	09/22/2017
Author	Dhiman Swadia
Inspector	Harsha Lingareddy

Defect #	Description	Severity	How it was corrected
1	All pages were causing merge conflicts on github as we used the same storyboard for changes	1	Created different storyboards for different sets of pages so the team can work without merge conflicts
2	The nav controller bar created makes an infinite loop with back buttons	1	Created a segway to handle the output of the back button for different pages with ids for each page
3	A universal segway makes issues when two buttons are hit simultaneously	2	Fixed the error by making multiple local segways and connecting all of them through a universal one
4	CocoaPod and other installation issues	3	Fixed the problem with not everyone having the required plugins and proper

			versions of softwares needed to build and test locally by setting up a list of softwares everyone needs

Product	GymWorkouts Code Inspection
Date	09/22/2017
Author	Dhiman Swadia
Inspector	Harsha Lingareddy

Defect #	Description	Severity	How it was corrected
1	The structure of the database wasn't configured to handle different workouts for a same muscle group	2	Changed the structure to change dynamically as workouts are added with the same muscle group
2	When user is authenticated, it didn't update the object on the database and just added a new one making 2 copies of each user	3	Fixed it by adding another layer of checks before adding back to the database post authentication

3	Passwords with invalid length	3	Have a custom set of checks to make sure the password fits certain fields before sending it to the server

Unit Testing

Product	GymWorkout Login Verification Unit Testing Inspection
Date	09/22/2017
Author	Dhiman Swadia
Inspector	Harsha Lingareddy

Defect #	Description	Severity	How it was corrected
1	Handle invalid requests and null cases	1	Add implementation to handle invalid requests on the client side
2	Checking if credentials entered exist for the login system	2	Return a failure response and add the appropriate handler for cases when they do not exist

Product	GymWorkouts Login Page Unit Testing Inspection

Date	09/22/2017
Author	Vishaal Bommena
Inspector	Sanat Mouli

Defect #	Description	Severity	How it was corrected
1	Passwords on infinite length are allowed	2	Add a boundary to the number of characters entry allowed(32)
2	Blank username or passwords are not highlighted	2	Add implementation so that these fields would return prompts to enter the required information
3	Short passwords are allowed	3	Add length validation on the front end as well

Product	GymWorkout Login Verification Unit Testing Inspection
Date	09/22/2017
Author	Dhiman Swadia
Inspector	Harsha Lingareddy

Defect #	Description	Severity	How it was corrected
1	Restrictions on the emails	3	Made sure most valid emails can be entered

			and when an invalid one is entered the user is prompted to check the field
2	Made sure the user can change and reset passwords	2	Implemented the field checks to make sure the reset password is not the samåe as the previous one