

Homework 2

Q1: Start with the starter ionic app project, ionic starter, and refer to the firebase-chat app example,

add the following functionalities to it:

- 1) Add the login and register function to the app.
 - Use the firebase code register and login UI designs if possible.
 - Please refer also to the gamecockapp code in the dropbox/class/gamecockapp for how to load users when app is loaded.
 - Add the functionality to check if a new username is already used and ask the user to change to another one.

The code below is how to store and retrieve all users' information to local storage

```
var users = [{
  username: 'jimmy',
  password: 'Sparrow',
}, {
  username: 'user2',
  password: 'xxxxx',
}];
// localStorage.setItem("users", JSON.stringify(users));
var storedNames = JSON.parse(localStorage.getItem("users"));
console.log(storedNames.length + "users found");
console.log(storedNames[0].username);
```

- 2) Change the tabs so that

The first tab is called Orders tab, which shows a list of orders.

An order object has the following attributes:

- Product name
- Product quantity

Product Price

Product Category select one from [Food, Stationary, Clothing]

Order date

- 3) Add a **New Order** button on the top right corner, which will jump to a new-order view that allow users to input an order information including:

Product name

Product quantity

Product Price

Product Category select one from [Food, Stationary, Clothing]

Order date

Save the order to localStorage (using similar approach as saving the users info in gamecockapp)

- 4) When clicking on one order on the order list, it should show a view with detailed information of the order.

See the chats example of the gamecockapp

- 5) Remove the chats tab.

LocalStorage tutorial & packages

<http://www.webdesignerdepot.com/2013/04/how-to-use-local-storage-for-javascript/> show how to store a list of objects to localStorage

<http://www.sitepoint.com/9-javascript-libraries-working-with-local-storage/>

Essentially, you need to implement 3 views, listview of orders, add order view, and show order view.

Reference:

Gamecockapp in dropbox/class

CSCE590

Firebase-chat app

HOW TO SUBMIT:

Upload the two project files to <http://dropbox.cse.sc.edu>