~~4/24 7AM : Presentation of Project Outcomes and Lessons Learned~~

* ~~5 minutes presentation~~
* ~~Create a short Powerpoint~~
* **~~Meeting on 4/21 Tue at 6PM to prepare~~**

**By 4/29** : finish up backend implementation & JUnit tests

4/29 : Focus on testing: Automated testing

!!!! We should focus on Testing after finishing up backend features by today (4/26) !!!!!

!!!! we should have 85% code coverage test code !!!!

CROSS OFF TASKS IF DONE

**All**

* **Front-end UI testing**
  + [**https://developer.android.com/training/testing/ui-testing**](https://developer.android.com/training/testing/ui-testing)

**Anna: Calculator & report activities**

* ~~Report: View transaction of selected month/year~~
* ~~Fix bugs on~~ 
  + ~~Update bar graph when updating range of month/year~~
  + ~~Empty transaction~~
* JUnit test code
  + calculator (Interface & ~~Backend~~)
  + report classes (Interface & Backend)
* ~~Create repo for connector/server code~~

**Ali: Login & create account**

* ~~Login & create account activities~~ 
  + ~~Password security (encrypt password)~~
  + ~~Changing password with matching answers for Security questions~~
  + ~~Forget password~~
  + ~~Log out (and login again)~~
* JUnit test code on login and create account classes

**Andy: Server/client & Category**

* ~~Category: edit category~~
* ~~Main: Income and current balance~~
* ~~Connector/server class test code~~
  + ~~Make sure all the queries are matching with ER diagram~~
  + ~~NOTE field on transaction table~~

**Na: front-end testing & Goal**

* ~~Goal page functionalities~~
  + ~~Select month/year to bring goal list~~
  + ~~Change goal of balance/expense/income (maybe just allow goal of expense?)~~
* JUnit test codes on goal page
* ~~Create sample dataset that can be used to test functionalities and use in final demo~~
  + ~~Should have transaction of multiple days~~

**Joon: Main & settings**

* M~~ain activity~~
  + ~~Line graph~~
* Settings
  + Notification function
  + Export transaction function
  + Finish user guide and application info.
* JUnit test code on main and settings classes

**Jack**

* Testing framework
* Automated testing

**4/30 : Prepare for Demo & Test**

**Espresso Testing**

Anna

* Test: Report & Calculator & Transaction & PopupTransaction
* Produce sample data for final demo

Ali

* Test: Login (basically all the classes in ui.login folder if we use all of these classes) & Create account

Andy

* Keep testing performance of the app and catch any bug
* Prepare for the final demo

Na

* Test: Category & Goal

Joon

* Main & settings (other activities associated with settings such as guide & guide activities)

Jack

* Test: Edit profile & Forgot password & java files in data folder & model folder

5/1 : Final Demo

**Iteration 2:**

Iteration 2 will focus on finalizing setting up queries and request handlers for the server as well as adding handlers for buttons and linking the front-end pages to the back-end data. User functionality will come together here, as by the end of the iteration, they will be fully linked to begin testing.

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| --- | --- | --- | --- | --- | --- |
| Task | Priority (1-5) | Difficulty (1-5) | Time Units (1-5) | Dependency | Person Responsible |
| Implement Back End for “Create User”, “Login”, “Report”, “Goals”, and “Category” pages so ensure that they link with the front-end properly and store the correct data. | 3 | 4 | 2 | Implementing Front End for Pages | Andy/Na/Anna |
| Add Handling for invalid usernames and passwords and if profile already exists as well as changing passwords | 1 | 1 | 1 | Implementing Back end of the login page | Andy/Na |
| Add a Handler for a “Create Account” Button | 1 | 1 | 1 | Will need Create Account Button to be developed | Joon/Ali |
| Implement Back end for calculating current expense, current balance, getting categories, adding transaction, getting daily graph. | 1 | 2 | 2 | None | Andy/Na |
| Add Back end Logic for editing a users profile, sending notifications, user guide, getting application file | 1 | 2 | 4 | None | Andy/Na |
| Implement the functionality of the connecting class between the front-end and the back-end so that they properly interact with the rest of the code | 1 | 4 | 3 | Will need back-end data along with front-end data handlers to ensure this is done properly | Jack/Na |
| Add handlers to link the front-end and back-end for category and goals page | 1 | 1 | 1 | Both goals and categories front-end and back-end must exist | Joon/Ali/Anna |
| Implement handler to add and edit the categories | 1 | 1 | 1 | Edit categories button must already exist | Joon/Ali |
| Implement table using the info from the database to be able to display the categories and the user’s income | 1 | 2 | 2 | Categories page must already exist and data must be already stored in the back-end | Andy/Na/Anna |
| Add post account creation information filling, and notification for user to go to user guide | 1 | 2 | 2 | Account must already be created and stored in the back-end along with user data | Ali/Joon |
| Integrate database with logging in backend logic | 3 | 3 | 2 | Database must be defined | Andy/Na |
| Implement Database management code for deleting older data for both MySQL and the server | 3 | 2 | 2 | Data must already be stored in the database to do this. | Jack/Anna |

**Iteration 3:**

Iteration 3 will focus on testing our app to make sure everything has come together as planned. We will need to make sure that the front end of the UI comes together and is able to fetch data from the back-end as needed.

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| --- | --- | --- | --- | --- | --- |
| Task | Priority (1-5) | Difficulty (1-5) | Time Units (1-5) | Dependency | Person Responsible |
| Implement Front-End of the Calculator tab if time permits | 1 | 3 | 3 | None | Ali/Joon |
| Implement Back-End of the Calculator tab if time permits | 1 | 3 | 3 | None | Andy/Na |
| Testing to make sure the Front-End is getting the correct data from the back-end | 5 | 5 | 5 | Everything in the front-end and back-end must be implemented | Jack/Anna |
| Test to make sure everything in the front-end works as it is supposed to | 5 | 5 | 5 | Everything in the front-end must be implemented | Ali/Joon/Anna |
| Test to make sure everything in the back-end is both calculated correctly as well as stored correctly | 5 | 5 | 5 | Everything in the back-end must be implemented | Na/Andy/Anna |