**Settle Up!**

Settle Up is a bill sharing application which lets you smartly manage all your debts among the group. This application allows you to add bills, trace them, settle dues and view detailed statistics.

**Folder Contents**

SettleUp\_Group5.zip contains 3 files/directories

1. dbGroup5 – Database Dump
2. Boilerplate – final project directory
3. ReadMe.docx – The current file

**How to Setup**

1. Download the SettleUp\_Group5.zip.
2. Extract the folders from the zip file.
3. Make sure mongod instance is running and “dbGroup5” dump is placed in dump folder.
4. To restore Mongo database dump, use the command “*mongorestore --db dbGroup5”*
5. Go to the terminal and navigate to the “Boilerplate” project directory.
6. Run the command : “npm install”
7. Start the server by using “node server.js”
8. Go to “<http://localhost:3000/>” from the browser.

**Test Users:**

Email ID: [amulya@gmail.com](mailto:amulya@gmail.com) Password: amulya1234

Email ID: [mukta@gmail.com](mailto:mukta@gmail.com) Password: mukta1234

Email ID: [shruti@gmail.com](mailto:shruti@gmail.com) Password: shruti1234

Email ID: [pruthvi@gmail.com](mailto:pruthvi@gmail.com) Password: pruthvi1234

Email ID: [abhinav@gmail.com](mailto:amulya@gmail.com) Password: abhinav1234

**Steps to use “Settle Up”**

* **Sign Up (Create two users at least, user1@gmail.com and user2@gmail.com)**

1. Go to “<http://localhost:3000/>”.
2. Fill in the form with Email, Username, Password, Password Again, Security question and Security answer.
3. Make sure the Password is of minimum 6 characters.
4. Click “Sign me up”.
5. Do the above steps for both user1@gmail.com and user2@gmail.com

* **Sign In**

1. Go to “<http://localhost:3000/>”.
2. Enter valid Email id and Password for user1@gmail.com.
3. Click “Login”.

* **Add Friend**

1. Navigate to “Add / Remove Friend”.
2. Enter the email id of user2 - [user2@gmail.com](mailto:user2@gmail.com).
3. Click “Add Friend”.

* **Add a Bill (user1@gmail.com)**.

1. Navigate to “Add a Bill”.
2. Enter the Bill Description, like - Movie Outing.
3. Enter the amount, like - 100.
4. Enter the Bill Date, like - 04/05/2016.
5. Click on Participants - including yourself if you are the part of the bill amount.
6. Click “Add Bill”.
7. Observe the change in “Pie Chart” and “Recent Activities” in Dashboard.
8. Logout.

* **Settle Balance**

1. Login with user2 - [user2@gmail.com](mailto:user1@gmail.com).
2. Observe the “Pie Chart” and “Recent Activities” in Dashboard.
3. Navigate to “Settle Balance”.
4. Select repay to “user1”.
5. Enter amount paid back - 50 (as per the Pie chart in dashboard).
6. Click “Settle Balance”
7. Observe the change in “Pie Chart” in Dashboard again.

* **Remove Friend**

1. Navigate to “Add / Remove Friend”.
2. In the Friends List, select the user you wish to remove.
3. Click “Remove”

* **Edit Profile**

1. Navigate to “Edit Profile” with the current user.
2. Enter new Security question and answer.
3. Click “Update Profile”.

* **Logout**

1. Click “Logout” with the current user.

* **Forgot Password**

1. Go to the Login Page.
2. Click “Forgot Password”.
3. Enter your email id.
4. Click “Proceed”.
5. Enter your security answer.
6. Click “Next”.
7. Enter New password and confirm new password.
8. Click “Reset Password”.
9. Login with new password.

**NOTE**: Make sure to add friends before you add a bill to be shared with them, also you can successfully remove a friend only when the users are Settled Up!

**External Libraries:**

* DatePicker Plugin - In Add Bill tab, we used Jquery date picker to choose Bill Date.

Reference: <https://jqueryui.com/datepicker/>

* Multiselect Plugin - In Add Bill tab, we used Jquery multi-select plugin for selecting participants of a bill

Reference: <https://plugins.jquery.com/tag/multiselect/>

* HighCharts API - In Dashboard tab, we used Pie Charts and configured according to our needs.

Reference: <http://www.highcharts.com/demo/pie-basic>