



FACULTY OF ENGINEERING AND APPLIED SCIENCE

SOFE 4640U – Mobile Development

Final Project

CRN: 44434

Prof: Anwar

Date: December 4, 2018

Group # 6

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1. Help people overcome procrastination

Link your schools black board to show tasks

Learn how to use android development to higher standard to carry out an app for consumers which they will be happy with

2.

a. -We want our app to be able to list all the tasks that are due on the date selected

-We want our app to be able to edit the task

-We want our app to have different views such as daily view and monthly view

-We want our Monthly view to be coloured coded with activities

-We want our app to help the user feel happy when the task is completed so we set a check box if task is completed

-We want our app to save all the tasks from all year around which is stored in our database

-We want our app to be able to import from other sites such as blackboard, gmail, Hotmail to get important deadlines

b. One of the main reason for creating this app was to help kids to stop procrastinating on finishing projects, assignments and labs. And it is not just for school related tasks you can even use to know when appointments are, meetings and interviews as well. This is to keep you on top of your life activities.

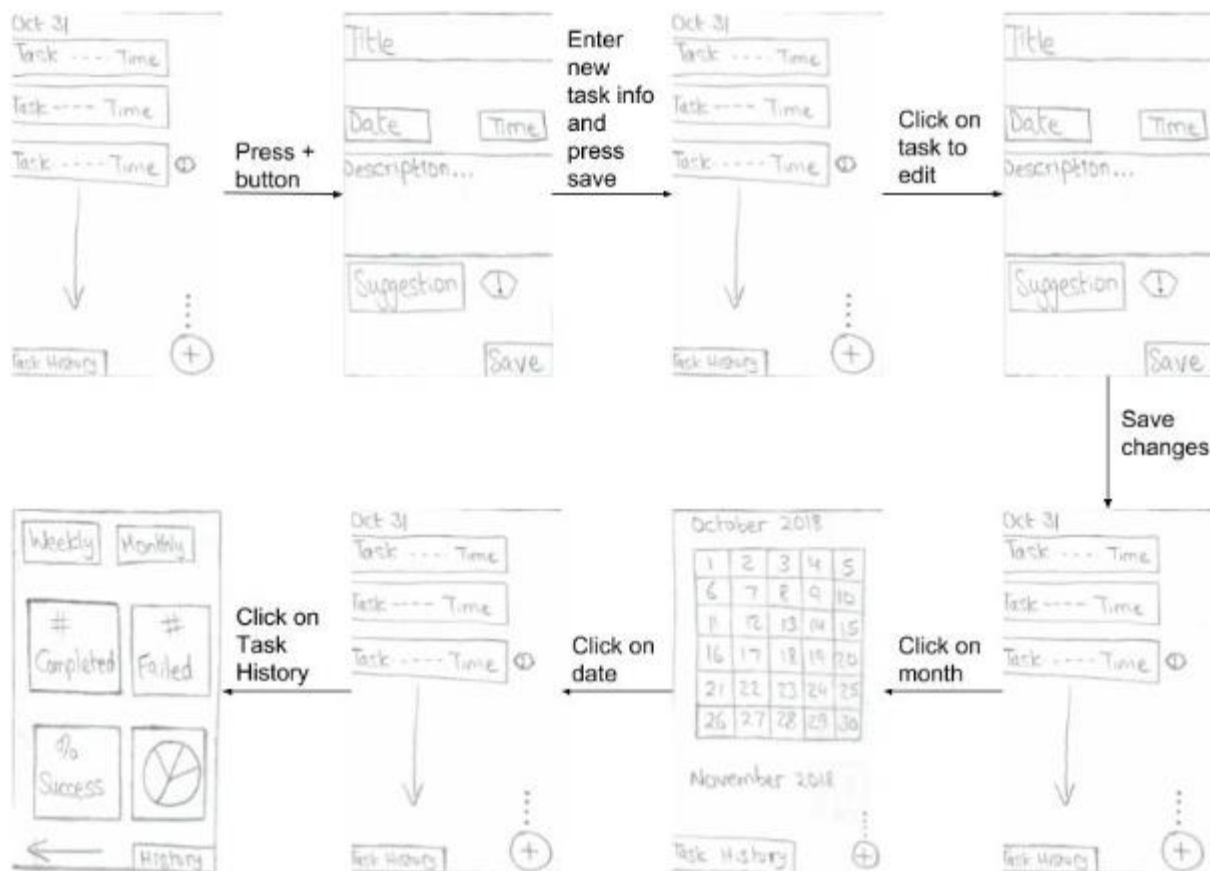
The other reason we decided to make this app is to keep everyone on top of class work. We sometimes forget when an assignment is due and miss the deadline. With easyDo it will keep it easy for you to track down what class work is due. As soon as the due date is announced, it will show up on your app. This will be connected to your schools blackboard calendar.

c. One of the main goals was to learn how to create a consumer product that can be put on the market as soon as the product was ready. I think we all did a fantastic job of distributing the tasks within the group. We all selected tasks that we were comfortable with and also some tasks that we were not comfortable. This project helped us overcome some of our boundaries that we were afraid of

getting wrong. The group members helped each other feel more comfortable with their new tasks.

One of our other goals was to get the app working with the amount of time that was allocated for us. We wanted to implement everything from our objectives of the project so that users can be happy with the app. We did not want to create a sloppy app just to get marks for the project but rather a good functionality app that helps the user overcome procrastination and forgotten upcoming tasks.

3)



4)

User Action	System does
Click on the plus button	It opens a task page where you put the title of the task, the date of the task and description of the task
Click on the date button	Once you on the task page you get the option to click on the date you want to select
Click on the save button	It will save the task you entered above on the specified date
Click on the cancel button	It will cancel the task page and not save anything
Click on the date in DailyView	Will bring you to a monthly view
Click on the date in MonthlyView	Once you click on the date for the month, it will lead you to the DailyView for the selected date
Click on the Task in DailyView	Once you click on the task you get the option to edit it as well as an option to check if you have completed it
Click on the show completed tasks	It will show you the tasks you have completed for the day

b)

Technology stack:

For the mobile app Android Studio has been used to implement the application using Java Code. The app uses a SQLite Database to store data locally, such as different tasks.

Database scheme & data structure

The app uses a single table in the database with six columns. The first column provides an ID that is autoincremented to unify the inserted data. Additionally, attributes such as the title, description, colour, status and date of the tasks have been used. As SQLite does not have a date type, a Unix timestamp was used, which can be stored as an Integer. Title, description and colour are Text values and status and date are integers.

Languages:

As mentioned previously, the app is built using Java Code and SQLite.

Third party integrations:

As the original calendar view provided by Android Studio does not cover highlighting of cells inside the calendar, a third-party calendar view was used. Marking dates inside the calendar is one of the main functionalities of the app, as it benefits the organization of the user a lot.

5) One of the goals we did not complete with the project was implementing of external sources such as Blackboard, Gmail and Hotmail calendars. With other school work and poor time management skills we could not get what we wanted done. It would have made our project even better than what it is now with this implementation. It would be easier to track school work since it would have been connected to your school platform.