**Phlaven**

What the app does?

The app provides a way to the student to track his/her online progress on lessons, as well as gives them an option to read the lessons and mark them complete from the app itself.

**App Workflow:**

We have five activities as of now, as described below,

First is the **login activity**.

* This does validation on email and password for valid inputs.
* Connects with the server and matches the password and email to be authentic.
* If it is not, it asks user to retry, if it is it directs to the main activity.

The **main activity** shows the current progress of the user, no of lessons done and no of lessons pending and an option button to go to the current lesson which is another activity.

**Lesson activity**: Scroll view with three buttons, next, previous and mark complete.

The main also has navigation drawer that takes one to Learning Path and Lessons which are two other activities.

**Learning Path**: Shows the graph particular to the user, retrieved from the website, this is followed by the metadata / other relevant info.

**Lessons**: This is a list of all downloaded lessons or lessons particular to course displayed in a listview (hierarchical) with titles. When you click on any title it takes you to Lesson activity view again.

This will have a button/setting in menu to fetch lessons, this will fetch the new or unsynced lessons from the server to the mobile.

//mark the fetched

Along with this there are requirements for these two handlers:

1. Database handler: This help save/ retrieve the info regarding the completed/ fetched lessons and user progress in local sqlite database. //table designs
2. ServerRequestHandler : This has get/post requests to the website to fetch data and send updates.