

ISYS2048 – Mobility Development – Assignment 2



Fastask

App Concept

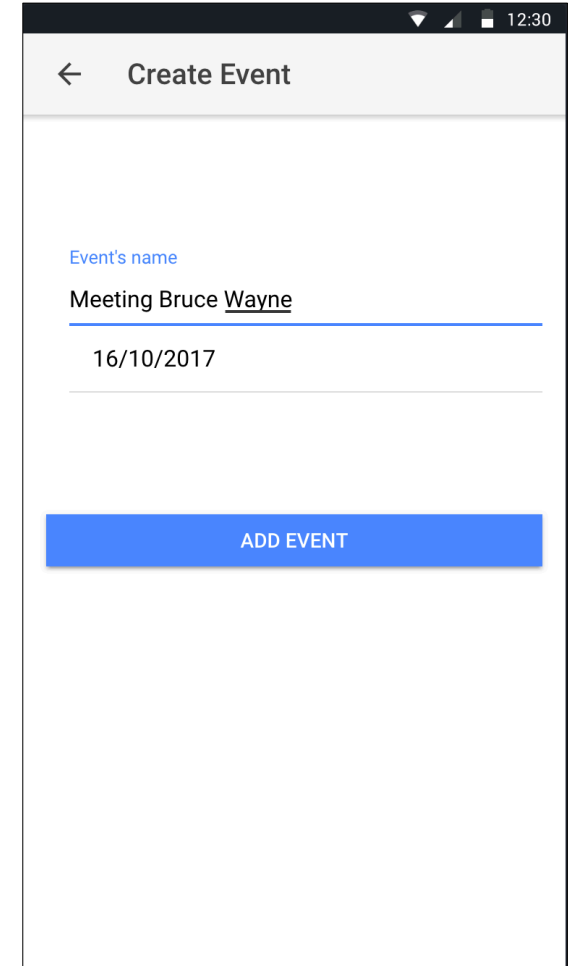
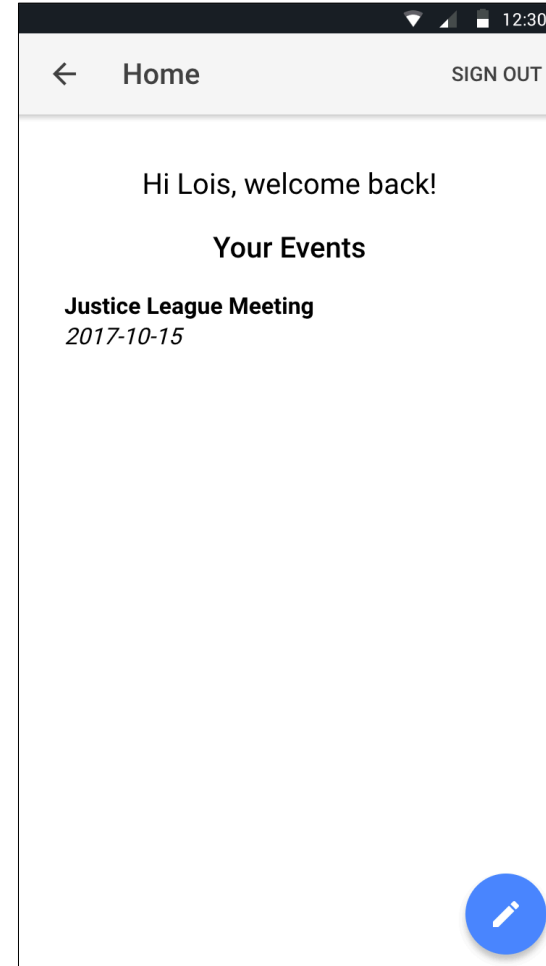
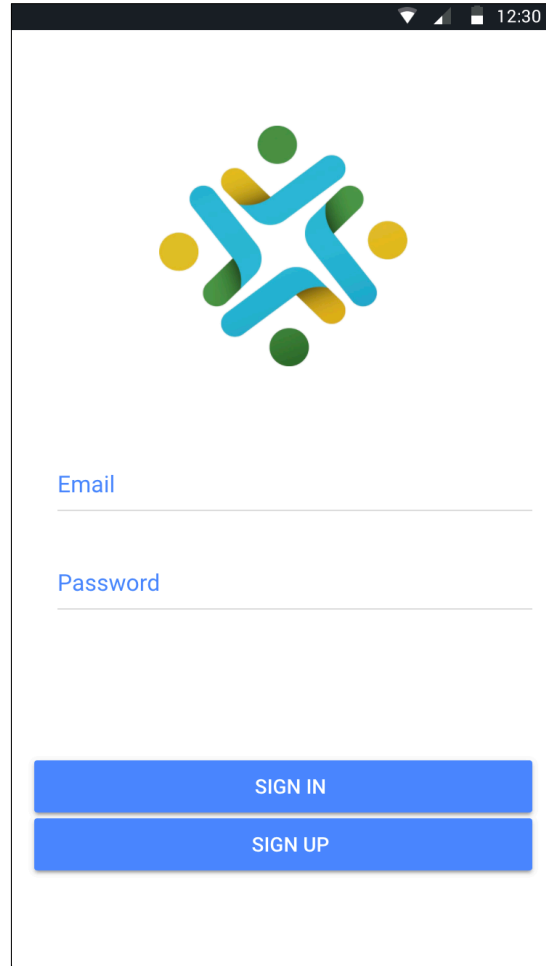
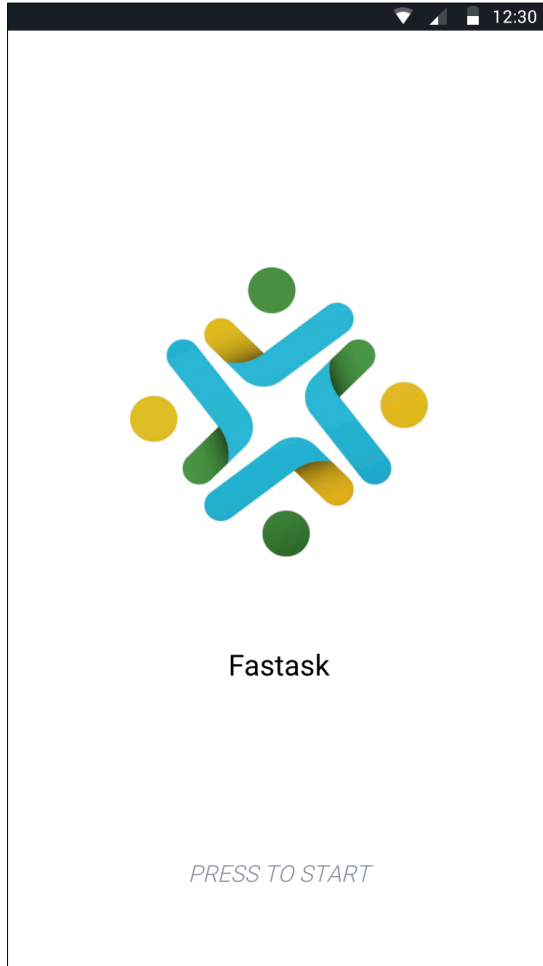
Fastask is an task management app that helps user improve their group's productivity by speeding up the task allocation process.

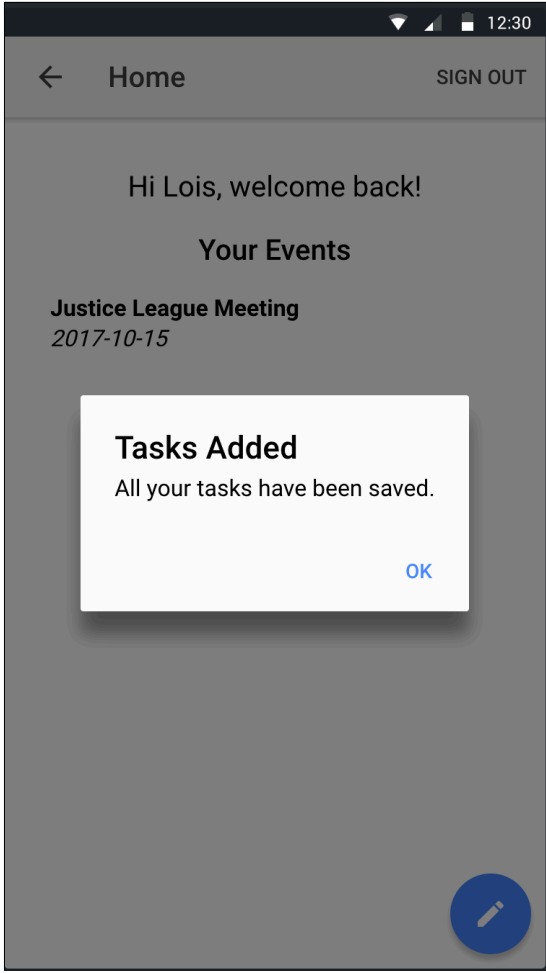
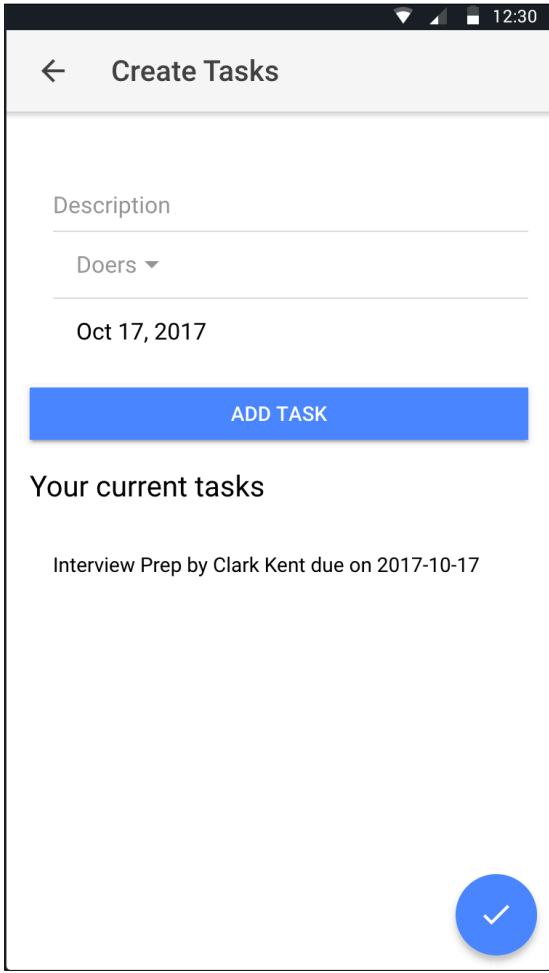
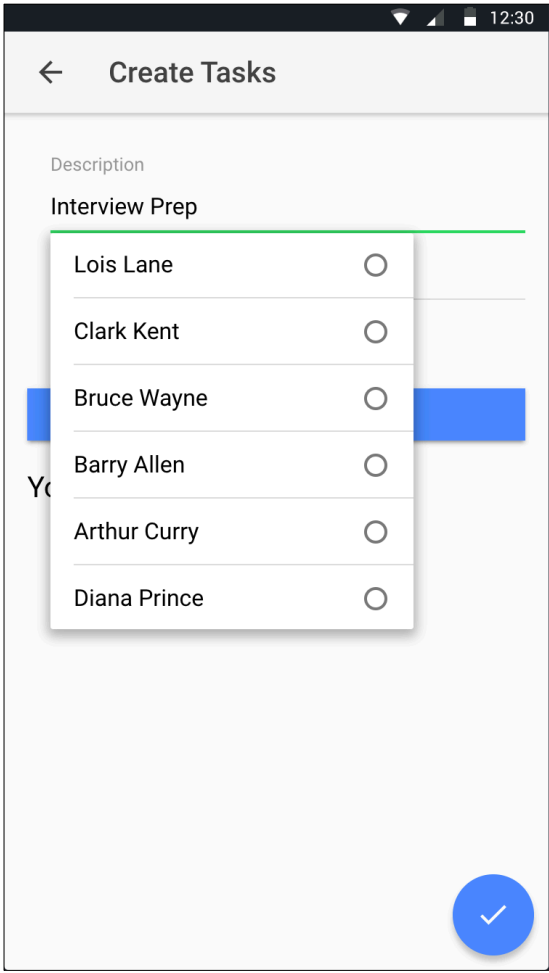
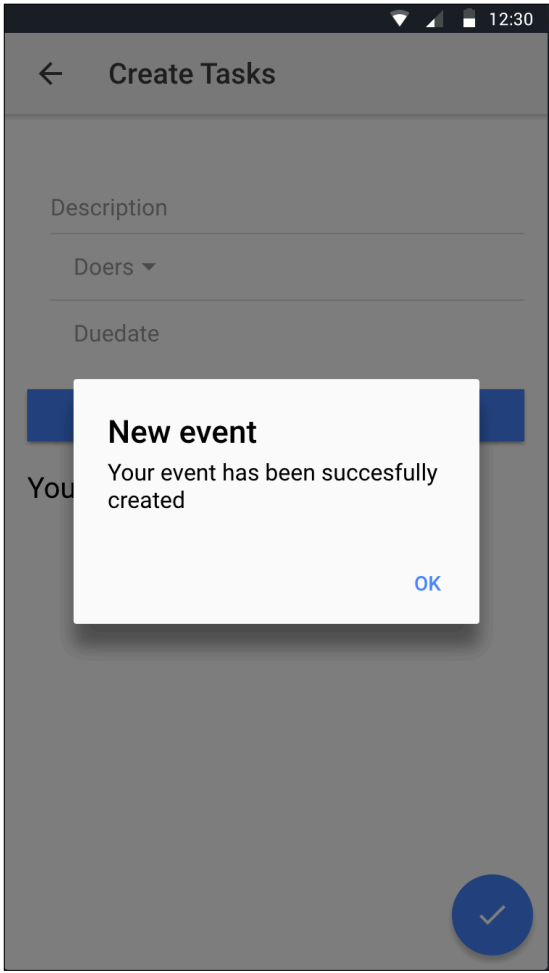
User can assign tasks with due dates to their friends with a simple click. When their friends log in, they will see what tasks have been assigned for them.

Development Team

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Design





Future Development

Some of the features to be developed include:

Google calendar event

When user finishes adding all tasks and hit the “Done” button, the app will automatically create a Google calendar event on the doer’s calendar.

Add friends

Currently Fastask app has a code file that can facilitate this feature, however, it would require some modifying to create SELF-JOIN relationship for the doer table in the database so the “add friends” feature can be fully functional.

Identified Bugs

Identified bugs include

Lack of validation for password

User can use any combination of characters to use as their password even though it is not long enough or does not contain special characters.

Lack of authentication service to handle secure log-in process

The log-in process is simply getting user’s email and check if the user already exist in the database. It is not secure enough.

Unable to modify or delete events/ tasks

Users currently cannot modify or delete the events or tasks they have created.

Installation Guide

FRONT END

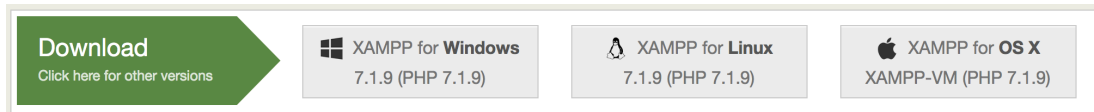
The team uses Ionic framework so please kindly install the followings:

1. Run this in terminal -> `npm install -g cordova ionic`
2. Install node.js -> [here](#)
3. Install Visual Studio Community -> [here](#)
4. Then set up the server using this instruction.

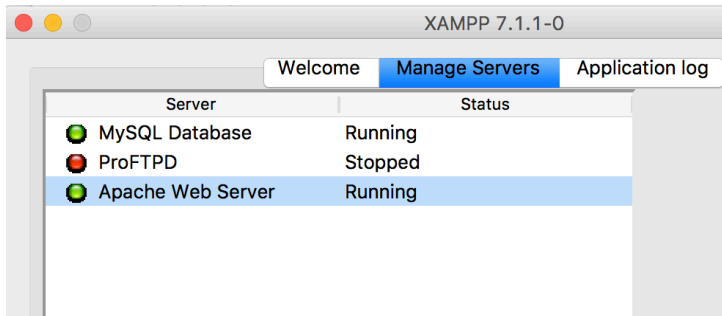
BACK END

Setting up XAMPP

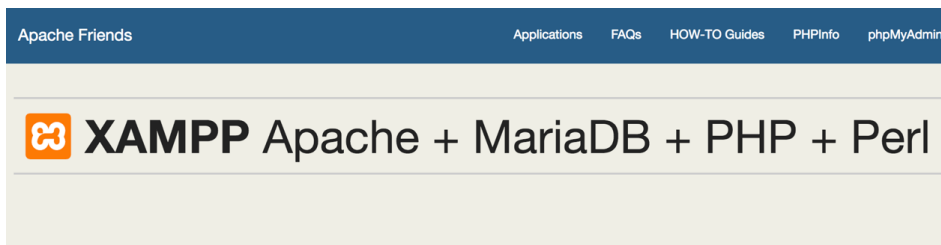
1. Go to <https://www.apachefriends.org/index.html>
2. Choose the correct version of your operating system



3. Once downloaded, following the installer instruction and install the software.
4. Once installed, you can open XAMPP control panel then start Apache Server and MySQL Server



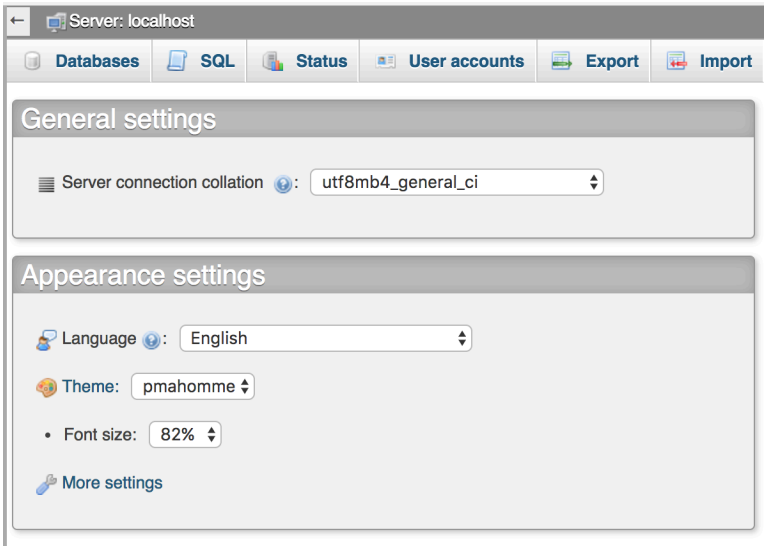
5. To confirm the server is up and running, open browser and type in <http://localhost>. And you will see following page. It means Apache server is running.



BACK END

Setting up XAMPP

6. To confirm MySQL server is running, click on phpMyAdmin in the menu bar. You will see the following:



Import database

In PHPMyAdmin, click on import and choose the fastask_database.sql (downloaded from Turnitin). Then scroll down and click import



Importing into the current server

File to import:

File may be compressed (gzip, bzip2, zip) or uncompressed.
A compressed file's name must end in `.[format].[compression]`. Example: `.sql.zip`

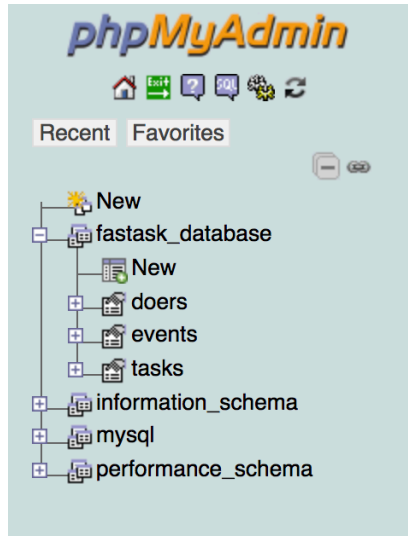
Browse your computer: education.sql (Max: 128MiB)

You may also drag and drop a file on any page.

Character set of the file:

BACK END

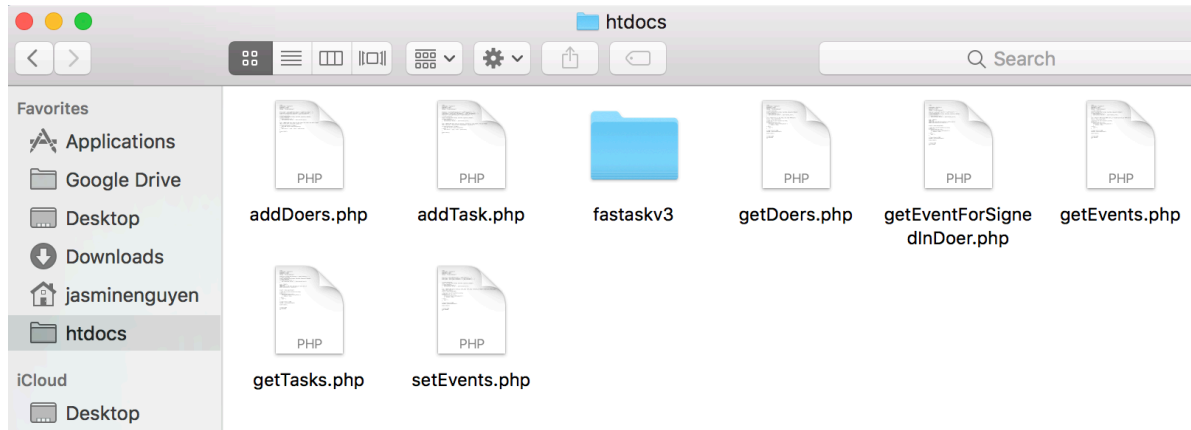
Once import, you can see the database “education” in the database list on the right:



Click on that you will see the database contain 3 tables: “doers, events and tasks.”

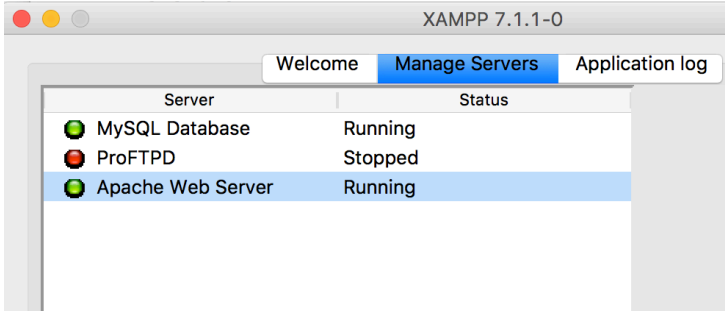
Seting up files

Please place all the php files and fastaskv3 folder in the htdocs directory as following.



RUNNING THE APP

1. Starting the server



2. Turn on terminal and go to the directory of fastaskv3 folder (which is in htdocs).

3. Type in sudo ionic lab

Notes

1. If console logs error “Allow access control...” please install this [plugin](#) for Chrome.
2. If terminal shows error that requires rebuild the environment, please run the command provided by CLI.