

Cairo University

Faculty of Computers and Information Department of Computer Science

# FCI E-campus

Supervised by

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Implemented by

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Midyear Documentation of Graduation Project

Abstract:

When it comes to organizing their class schedule, lectures/sections/labs materials and upcoming assignments/exams, students here at Faculty of Computer and Information, Cairo University are in a terrible mess.

Students at FCI are scattered across many places. Some professors and TAs publish their announcements and materials on the faculty’s official website, others use a third-party website such as Acadox, and moreover some professors and TAs send the materials and announcements to a student who is supposed to deliver that to all the other students. Besides that, the faculty’s schedule is provided to students as just a plain document. Students lose track of assignments deliveries and quizzes that they have.

Moreover, the faculty doesn’t provide a forum where the students can ask and discuss about things relating to their courses or things that aren’t clear for them or they just don’t understand. Students have to use social network websites such as Facebook to communicate which is so distracting and it won’t be appropriate for professors and TAs to answer the questions and help the students.

So, after all of that students are scattered between the faculty’s website, Acadox, Facebook, GDrive, Dropbox, Mega, etc.… After all of that they can’t help being lost and unorganized.

**Our app** aims to help students stay organized by providing them with their schedule, depending on what year they’re in, their major, minor and the courses they have registered. The schedule will tell them what lectures/labs/sections they have and the location of these in the faculty lectures/sections halls and labs. If the student doesn’t know the location of his lecture or lab the app will help him and show him a map to where the lecture/section hall or lab is in the faculty. The Schedule will inform them if there’s any quizzes, exams or assignments delivery at a certain lab or lecture.

Also, students receive notifications for new announcements, upcoming quizzes and assignments deliveries to help them keep track with their courses. Students will also be notified regularly to remind them of their assignments, quizzes and exams and urge them to do their studies and work early before due date.

The app will organize downloading and uploading materials and will provide each course’s lectures, sections and labs with its materials that was uploaded.

That’s not it the app will provide a forum for the students to communicate with each other. Students can help each other and what will be better is that now it will be appropriate for professors and TAs to enter the forum and answer some of these questions. The forum will be categorized and organized according to course, topic, etc...

The app will contain many more features that will help FCI students in many aspects

**The tools used in implementing the project are:**

1. The app frontend clients will be an **Android** app (and possibly a website especially an Admin website).

Tools: Android Studio IDE

1. The app backend will be built using **PHP Laravel** with **MySQL** database. The backend will be built using Service Oriented Architecture (SOA) providing RESTful web services to be used in the front-end clients.

Tools: PhpStorm IDE, Laragon, MySQL workbench, XAMPP, …

Work Plan:

In the following table, you should list everything you have done and are planning to do in order to finish your graduation project (overall plan of the project (**Gantt chart**). This includes the survey you have conducted to determine your project idea, the technologies you have learned or you are planning to learn to help you implement your project. It also includes the analysis and design of your system, its database analysis, and the already implemented parts, the testing effort, and the documentation.

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| **Task** | **Task Title** | **Description** | **Task status**  **(completed/expected in time )** |
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