Cairo University

**Easy C++**

**Background**

Some people have the difficulty to learn a programming language, others have a fear from learning something new.

That’s Because they think it is difficult to learn it on their own, this app is intended for those people.

(Easy C++ ) is an android app for teaching c++ syntax and important programming concepts like oop.  
  
**Objectives**

* Teaching the user C++ syntax
* Provide test and quizzes to measure the progress of the user in the Programming Language
* Cover Basic and Intermediate programming concepts (Functions -oop-ineritance)

**Scope**   
By the end the user should have a solid understanding of the c++ programming language

**Timeframe**

|  |  |  |
| --- | --- | --- |
|  | Description of Work | Start and End Dates |
| Phase One | Finish 25% of UI with 25% Code | 10/3/2018🡪8/4/2018 |
| Phase Two | Finish 100% of UI with 50% Code and design database | 10/4/2018 🡪 29/4/2018 |
| Phase Three | Finish 100% Code and test the App | 1/5/2018 🡪 6/5/2018 |

**Key Stakeholders**

|  |  |  |
| --- | --- | --- |
| Client | - | - |
| Sponsor | - | - |
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Team leader: Khaled Sabry Ibrahim

**Monitoring and Evaluation**

**-The app should be easy to use and accessible to the user**

- The concepts of programming should be delivered in a suitable way for beginners

- the application could be developed easily

- there is only one Programming Language “C++”

- There are three users student, instructor and admin

- instructor: can add and modify lectures and Quizzes

- instructor: can answer student questions in the discussion room

- instructor: can see the average grade for each quiz

- student: can take any level in c++ if he passes a test

- student: can ask questions in the discussion room

- student: can see others questions and can answer to others questions

- student: can see their progress in the language

- student: each quiz he solves, there is a grade for it

- student: have a way to see his scores in quizzes

- students and instructors can report for an out of place content or any mistake

- links to videos will be available to the students at certain topics by the instructor

- admin : can review reports and take action accordingly

- admin : can block reported users

- admin : can see statistics of the student grades and progress

- admin : must approve instructor sign ups

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