**Project proposal**

*May 7th, 2019*

Comments by Tassia in red. No comments in a particular section means “all is good” ;-)

* **Project description:**

A website of a university, including data of Students, Teachers and Courses in tables of Database. At least for the front page, please provide a complete layout (with fake images and info) in order to practice the design. Take a look at other schools and universities websites to get inspired.

We want to implement "CRUD" on it. We create database and design a front-end that shows the relationship between courses and teachers or students with some visual component like diagrams.

* **Use cases (or user stories):**

There is a main page with different menus (or thumbnails). Students, Teachers and Courses.

In each menu we have 3 submenus, one for create, one for view and the last one for editing each entity. I suggest you implement only 2 options for each: *create* and *view*. The *view* could show a list of all records currently in the database (in a table, or any other kind of layout), along with links to edit and delete each particular record.

In Courses we have another extra submenu for making relation between courses and teachers. It is not clear how you are going to show this relation. Are you planning use table, a more visual representation? Alternatively, you could display this extra info when you show each teacher or course record.

Each submenu opens a new web-page.

As a user we are able to insert a new record for a student, teacher or course and save to database. Or delete from database. Maybe we could see the relationship between entities.

* **Technology (development and production environment):**
* PHP: in order to make relation between database and application.
* MySQL: in order to create database and run queries.
* JavaScript, HTML and CSS: in order to design layout of front-end by use of Bootstrap
* ATOM: IDE
* Missing: a UML drawing tool
* Missing: git for versioning control
* Missing: a web server
* Are you going to create the database using any helper tool? (eg. phpMyAdmin)
* **Code repository:** Git hub -> <https://github.com/ammarna1985/WEB_PROJECT>

That’s great! Please add me as a collaborator of your repository.

* **Development schedule (hours budget should include learning new technology):**

Two weeks, including learning all of the above technologies, and implementing the project.

|  |  |  |
| --- | --- | --- |
| Sat May 4th | Learning and Installing ATOM, Git and LAMP | 4 hrs |
| Sun May 5th | Installing ATOM, Git XAMPP and LAMP on personal computers | 3 hrs |
| Mon May 6th | Learning and Installing Bootstrap  Creating a tutorial(Ammar) | 4 hrs  2 hrs |
| Tue May 7th | Learning and trying Git and using with ATOM  Writing Proposal | 4 hrs  2 hrs |
| Wed May 8th | Learning UML – Reviewing tutorials  Preparing Data Model | 4 hrs  2 hrs |
| Thu May 9th | Learning PHP and MySQL | 4 hrs |
| Fri May 10th | Reviewing tutorials in omnivox and experiencing new technologies | 4 hrs |
| Sat May 11th | Designing front-end (Mohammad)  Creating Database (Nasim)  Preparing Database SQL | 3 hrs  3 hrs  2 hrs |
| Sun May 12th | Designing front-end (Mohammad)  Creating Database (Nasim)  Coding (Ammar) | 3 hrs  3 hrs  3 hrs |
| Mon May 13th | Working together to follow the plan and proceed the project | 3 hrs |
| Tue May 14th | Working together to follow the plan and proceed the project | 3 hrs |
| Wed May 15th | Working together to follow the plan and proceed the project | 3 hrs |
| Thu May 16th | Working together to follow the plan and proceed the project | 3 hrs |
| Fri May 17th | Back-end and front-end code | 4 hrs |

Please break down the tasks of each major task, and estimate the team working hours for each

* Front-end: which pages to you need to create?
* Database: UML, tables creation and sample queries
* Back-end: which classes do you think you will need? Which info do you need to extract or to save in the database to respond to your application requirements? Can you think of a list of functions/procedures that will be needed?

Also, you did not budget time for preparing the presentation (maybe it is part of the “working together” task, but you could have been more specific).

Lastly, missing total of hours.

Please provide a revised plan, in a single-page table, and upload it to your git repo.

* **Team members:** Ammar, Mohammad, Nasim
* **Licensing:**

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