Costa Rica Institute of Technology

Academical Area of Computer Engineering

I Semester 2020

Codename: CoTEC-2020

Executive Summary #1

pandemica

CoTEC-2020

Team

- **Jose D. Acuña. -** *Web Functionality Manager & Design Assistant -* JoDaniel1412
- **Kevin Cordero** - *Lead Developer on Back-end and Connections -* Skryfall
- **Alejandro Ibarra** - *Lead Designer & Mobile App Developer. Assistant Project Manager -* AlejandroIbarraC
- **Jose D. Sánchez** - *Database Administration & Definition -* JoseDavidSS
- **Jesús Yamir Sandoval** - *Project Manager & Web Developer -* shuzz22260427

Technical Advisor:

- **Marco Rivera Meneses** – *Teacher*

Course:

- **Databases** - CE 3101

Languages used:

- C#
- JavaScript / TypeScript
- Swift
- MEAN stack tools (Node, Angular, Express)

A. Planned vs. Actual progress to date.

Right after finishing the corresponding division of tasks (which can be found here: https://trello.com/b/25jVTfzM/pandemica-task-plan) each member began their corresponding task keeping in mind. As a final decision, the dates that were discussed and established in the plan.

With that said, it can be assured and verified if necessary, that thanks to the good organization all the tasks desired for this week were carried out effectively
.
Even with this, it is worth mentioning that because the project was left a few days ago. Many of the task dates are scheduled with their due date in the following week. Due to this, the progress of the following week is expected to be much higher, in terms of the number of tasks performed

B. Tasks performed in the week.

The following list is made in order to demonstrate the tasks performed during the week by group members.

Task	Finish	Member
Initial GitHub project organization	01/06/2020	All members
Task Division	02/06/2020	Alejandro Ibarra and Jesús Sandoval
Role Assignment	02/06/2020	All members
Meeting Calendar	02/06/2020	All members
Figma Views.	04/06/2020	Alejandro Ibarra and José Acuña
Web App UI Design.	04/06/2020	Alejandro Ibarra
Initial Data Base Diagrams.	03/06/2020	Jose Sánchez and Jose Acuña
Executive Summary	04/06/2020	Jesús Sandoval Morales and Alejandro Ibarra

C. Risk List

1.   **Data Base**: In this first phase of the project, one of the main risks, if not the main one, is handling the database, since as a group it is the first time that a purely SQL system is handled directly.
       As the main risk this would directly affect, projecting into the future, the entirety of the project, since everything revolves around the database

2.   **Diagrams:** To a lesser extent, another possible long-term risk that may develop in this phase would be the poor approach to the initial diagrams, since the entire project is visualized in the aforementioned

D. Correction activities

1.   In order to avoid most of the risks and to improve the communication and cohesion of the group during their tasks, it was decided to make a summary after each meeting in which the most important aspects seen in the same are listed.

2.   It was also decided as a group to hold an exclusive meeting just to research about SQL, in order to maximize efficiency and minimize risks when working with the database. Likewise, with this action it is expected that all team members have a general knowledge of the subject, even though it is not their main task.

3. As a last point, it was decided that the review of the diagrams should be given by all the members of the team, this in order to broaden the range of discussion and reduce the possibility of cognitive bias by any member at the time of their creation

E. Activities for the next week

The following list is made in order to demonstrate the tasks and activities for the next week.

Task	Deadline	Manager / s
Simple tables	10/06/2020	Jesús Sandoval
Mobile App Login System	11/06/2020	Alejandro Ibarra
Mobile App Connections and Tables	09/06/2020	Alejandro Ibarra
Mobile App Local Database	07/06/2020	Alejandro Ibarra
Services API Design & Implementation	08/06/2020	Kevin Cordero
Database Implementation	10/06/2020	Jose D. Sánchez and Kevin Cordero
Upload, parse and send Excel document data	10/06/2020	Jesús Sandoval and Jose D. Acuña
Web app login system	10/06/2020	Jose D. Acuña