

Software Design I

Season 2024-I

Course Project Definition

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As you will become a **computer engineer**, it is important you learn a lot of concepts and techniques, but at the same time you apply them to **solve real-life problems**. Your project should be fully functional and **replicable** for anyone, so take in mind to have good code practices, provide full explanations about technical decisions, and think in the important balance between code and documentation.

For the purposes of the current course, you will be asked to develop a **backend system**, layers of business logic and data storage, that will be used to manage some processes of a small company, using important software architecture concepts as design patterns and quality assurance. You had been asked about what kind of company you would like to work with, and you have chosen a business model based on some well known company and apps. Also, build an User Interface is optional, but it will give some some bonus points at the final grade.

Some documents will be provided to you, and you will have to read them carefully in order to understand the backend system expectations. At the end of the course you will have to deliver a *public GitHub repository* with: the **README guide**, **conceptual designs**, **code**, **APIs calling** to populate data, **paper**, **poster**, **final technical report**, anything that is needed to understand the monolith system you're gonna develop.

Teams and projects are defined as follows:

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Any comment or concern related to this document could be send to Carlos A. Sierra at e-mail: *cavir-guezs@udistrital.edu.co*

Business Model	Member 1	Member 2
EBook Platform	Juan David Salcedo Sánchez	Carlos Santiago Gongora
Questions & Answers Platform	Juan Pablo Mosquera Marín	Joshua Alarcón Sánchez
Podcast Platform	Henry Jhonmarcos Osorio	Juan Pablo Sotelo Rativa
Posts Network Platform	Tomás Cárdenas Benítez	Juan Jesús Poveda
Online Store Platform	Juan David Pérez	Juan David Pérez
Microbusiness Platform	Jonathan Felipe Ochoa	—
Task Management Platform	Javier Camilo Murcia Nahar	Andrés Jose Acevedo Ávila
Rent HouseStays Platform	Josue Urrego López	—
Music Streaming Platform	Juan Diego Álvarez	Laura Daniela Muñoz Ipus
Image Sharing Platform	Juan Diego Lozada	Edison David Álvarez
Japanese Culture Platform	Xiomara Salome Arias	Carlos Andrés Celis
Task Management Platform	Andrés Felipe Vanegas	Sergio Andrés Sanabria