

DataBase Foundations

Season 2024-III

Workshop No. 1 — DataBase Design

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Welcome to the first workshop of the *DataBase Foundation* course.

Hello, you were hired as a software database engineer at an apartment complex software provider. We don't know how, but **you did it**.

As part of your *challenging job*, the CTO asked you to create a **first data design** to show early customers the company's potential.

Then, you must perform the following **steps**:

1. Ask 15 students what things they *would like to see* in an **apartment complex application**.
2. Based on student responses, create a list of user stories following the following format:
As a <role>, I want <action>, so what <impact>.
3. The minimum required functionalities are listed below:
 - Shows a **list** of all *blocks* and *apartments*.
 - Receive **payments** for administration *services* and everything related.
 - Make **reservations** for *common spaces*.
4. Based on *user stories*, add any other functionality requested by end users.
5. Write a **report** with the following *sections*: **user stories**, **technical and design considerations/decisions**, and **database design** that describes each of the **ten steps of the methodology**.

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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*

Remember that you want to become a *rock star software database developer*, so you have to do your best. The report must be in **English**, **PDF format**.

Additionally, you must submit a **URL** to a *GitHub repository* where you will leave both the documentation & the code for all the course workshops. Create a folder for each one. Remember, the repository should have a general **README**, and inside each folder a **README** with a summary of the workshop development, the contents of the workshop folder, where the **report** and **code** should also be placed.

Deadline: **Sunday, September 15, 2024, 9:00 PM.**