**PROYECTOS DE INGENIERÍA Y GESTIÓN DEL SOFTWARE**

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| **REPORT NUMBER** | **3** |
| **TEAM NUMBER** | **24** |
| **TITLE** | **WBS and resource allocation** |
| **DATE** | **25/02/25** |


| **Participating members:** |
|---|
| **Antonio Medina Santana** |
| **Eduardo Etopa Lechuga** |
| **Francisco Javier López-Dufour Morales** |


| Number | US | Estimation (story points) | Priority (MoSCoW) | 1st Iteration (✓: included) |
|---|---|---|---|---|
| 1 | A user can login with his credentials | 2 | M | ✓ |
| 2 | A user can change his password in case he doesn't remember it | 0.5 | S | |
| 3 | A user can select between being registered as a manager or a driver | 0.5 | M | ✓ |
| 4 | A manager can visualize his fleet in an interactive real-time map | 20 | S? | |
| 5 | A manager can add, edit or delete a vehicle to the fleet | 3 | M | ✓ |
| 6 | A manager can assign drivers to vehicles | 2 | M | |
| 7 | A manager can check any of the fleet vehicle's history of maintenance | 3 | S | |
| 8 | A manager can assign inspections checklists to the vehicles | 2 | S | |
| 9 | A driver can upload the inspection checklist to the system | 2 | S | |
| 10 | A driver can see what vehicle has been assigned to and where it is located | 8 | C | |
| 11 | A manager can be notified in real time of a problem with any of the vehicles from the fleet | 20 | W | |
| 12 | A manager can check the planned route the vehicles are following | 13 | W | |
| 13 | A manager can see the amount of time left for any of the vehicles to arrive | 13 | W | |
| 14 | A manager can visualize in real time the amount of traffic on the roads. | 20 | W | |
| 15 | A manager can check the statistics from the fleet | 13 | C | |
| T1 (Technical) | As a developer, I want to set up a basic project repository with version control, so that we can track code changes and collaborate effectively | 0 | M | ✓ |
| T2 (Technical) | As a developer, I want to establish a basic API structure with a chosen framework, so that the frontend can communicate with the backend. | 20 | M | |

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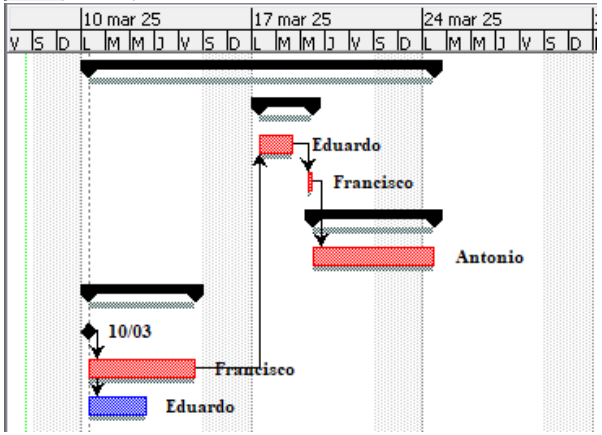
|---|---|---|---|---|
| T3 (Technical) | As a database administrator, I want to select and configure a database system, so that we can store and retrieve application data. | 5 | M | ✓ |
| T4 (Technical) | As a developer, I want to create a basic user interface layout, so that users have a starting point for interacting with the application | 3 | S | ✓ |
| T5 (Technical) | As a developer, I want to configure a testing framework, so that we can begin writing tests and ensure code quality. | 13 | W | |

User Story decomposition into tasks and resource allocation (enclose Project Libre file):

| | | Nombre | Duracion | Inicio | Terminado | Pred... | Nombres del Re... |
|---|---|---|---|---|---|---|---|
| 1 | | **Sprint 1** | 10,5 days? | **10/03/25 8:00** | **24/03/25 13:00** | | |
| 2 | | **Login** | 2,5 days? | **17/03/25 8:00** | **19/03/25 13:00** | | |
| 3 | | 1- A user can login with his credentials | 2 days? | 17/03/25 8:00 | 18/03/25 17:00 | 9 | Eduardo |
| 4 | | 3- A user can select between being registered as a manager or a driver | 0,5 days? | 19/03/25 8:00 | 19/03/25 13:00 | 3 | Francisco |
| 5 | | **Manager features** | 3 days? | **19/03/25 13:00** | **24/03/25 13:00** | | |
| 6 | | 5- A manager can add, edit or delete a vehicle to the fleet | 3 days? | 19/03/25 13:00 | 24/03/25 13:00 | 4 | Antonio |
| 7 | | **Technical and constraints** | 5 days? | **10/03/25 8:00** | **14/03/25 17:00** | | |
| 8 | | Project repository | 0 days? | 10/03/25 8:00 | 10/03/25 8:00 | | Antonio |
| 9 | | Create database | 5 days? | 10/03/25 8:00 | 14/03/25 17:00 | 8 | Francisco |
| 10 | | Create basic UI layout | 3 days? | 10/03/25 8:00 | 12/03/25 17:00 | 8 | Eduardo |

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***Instructions:***

*Copy your list of user stories (including technical ones) with their estimates. Assign a priority according to MoSCoW classification. Select the user stories for the first iteration. Transfer the user stories of the first iteration into a ProjectLibre project. If it helps managing or understanding the WBS, decompose the stories into tasks or group them. Assign the estimation in the Work column (only for the last level in your decomposition). Set the dependencies. Insert the resources in the RWS. Assign the resources. Check the load of the resources. Set a baseline. Insert the table of tasks and the Gantt diagram in this document. Convert your document into PDF format and name it R3_XX.pdf, where XX is the identifier of your team. Submit it together with the ProjectLibre file, which should be named PL_XX.pod, where XX is the identifier of your team.*