

PROYECTOS DE INGENIERÍA Y GESTIÓN DEL SOFTWARE

REPORT NUMBER	2
TEAM NUMBER	24
TITLE	User stories, estimation, and prioritization
DATE	18/02/25

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

Product Backlog:

Number	US
1	A user can login with his credentials
2	A user can change his password in case he doesn't remember it
3	A user can select between being registered as a manager or a driver
4	A manager can visualize his fleet in an interactive real-time map
5	A manager can add, edit or delete a vehicle to the fleet
6	A manager can assign drivers to vehicles
7	A manager can check any of the fleet vehicle's history of maintenance
8	A manager can assign inspections checklists to the vehicles
9	A driver can upload the inspection checklist to the system
10	A driver can see what vehicle has been assigned to and where it is located
11	A manager can be notified in real time of a problem with any of the vehicles from the fleet
12	A manager can check the planned route the vehicles are following
13	A manager can see the amount of time left for any of the vehicles to arrive
14	A manager can visualize in real time the amount of traffic on the roads.
15	A manager can check the statistics from the fleet

Technical stories:

Number	US
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
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.
T3 (Technical)	As a database administrator, I want to select and configure a database system, so that we can store and retrieve application data.
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
T5 (Technical)	As a developer, I want to configure a testing framework, so that we can begin writing tests and ensure code quality.

Description of selected user stories:

Member	US number	Notes	Tests
Eduardo Etopa	4	<p>To do this:</p> <ul style="list-style-type: none">• When the cursor is placed on a vehicle, the manager can visualize some information about the vehicle.• The manager can click on a vehicle to see all its information• Vehicles should be represented with clear markers or icons.• The map should be updated in real-time or at regular intervals to reflect vehicle movements.• The vehicles are displayed with colored icons• Various vehicles can be compressed in one icon, specifying the number of vehicles, if they are too close to each other in the map.	<p>I will know it is done when:</p> <ul style="list-style-type: none">• Hover over vehicles markers and check its information is viewed right• Click on a vehicle marker and check I'm being redirected to the right page• Zoom in and out the map and check that they are compressed in a single icon if they are too close• Check if all vehicles are displayed with unique and clear markers/icons.• Check the vehicles' location change in the map in time
Francisco Javier López-Dufor Morales	1	<p>To do this I must:</p>	<p>I will know this is done when:</p>

Instructions:

1. List the user stories of the product backlog. Use a simple format, e.g., "A user can..."
2. Add the necessary technical US.
3. Each member must select ONE user story and describe it in more detail, indicating the restrictions, data, and scenarios involved with notes and possible tests.
4. Convert your document into PDF format and name it R2_XX.pdf, where XX is the identifier of your team.

		<ul style="list-style-type: none"> • Design and implement a login form: This includes creating the UI elements (input fields for username/email and password, a submit button) and handling form submission. • Implement user authentication logic: This involves verifying the entered credentials against stored user data (likely in a database). • Implement error handling and messaging: This includes displaying appropriate error messages to the user for invalid login attempts and handling other potential errors during the login process. • Set up routing/redirection: This involves redirecting the user to the correct page after a successful login. 	<ul style="list-style-type: none"> • Users can successfully log in with valid credentials (username/email and password). • Users receive an error message for invalid credentials (wrong username/email or password). • Users are redirected to the appropriate page after successful login (e.g., their dashboard). • The system logs login attempts (successful and failed) for auditing purposes. • The system implements secure password handling (e.g., hashing, salting).
Antonio Medina	10	<p>To do this:</p> <ul style="list-style-type: none"> • The driver must only see the vehicle assigned now • The driver must be able to view the route to the vehicle 	<p>This user story will be done when:</p> <ul style="list-style-type: none"> • The drivers can view the details of the vehicle assigned to them (such as vehicle ID, model, license plate). • The driver receives clear directions or navigation options to reach the vehicle if needed.

Instructions:

1. List the user stories of the product backlog. Use a simple format, e.g., "A user can..."
2. Add the necessary technical US.
3. Each member must select ONE user story and describe it in more detail, indicating the restrictions, data, and scenarios involved with notes and possible tests.
4. Convert your document into PDF format and name it R2_XX.pdf, where XX is the identifier of your team.

		<ul style="list-style-type: none"> • When the cursor is placed on the vehicle, the driver can visualize the information • Vehicles should be represented with clear markers or icons. • The map should allow zooming and panning 	<ul style="list-style-type: none"> • The information is accessible from the driver's dashboard.
--	--	---	--

Instructions:

1. List the user stories of the product backlog. Use a simple format, e.g., "A user can..."
2. Add the necessary technical US.
3. Each member must select ONE user story and describe it in more detail, indicating the restrictions, data, and scenarios involved with notes and possible tests.
4. Convert your document into PDF format and name it R2_XX.pdf, where XX is the identifier of your team.