PROYECTOS DE INGENIERÍA Y GESTIÓN DEL SOFTWARE

REPORT NUMBER	1
TEAM NUMBER	24
TITLE	Market research and SWOT analysis
DATE	11/02/25

1. Market research (V: feature included - X: feature not included)

Feature	Antonio WebFleet	Eduardo Fleetio	Francisco Movildata	FleetTrack
User management and access				
Differentiated user roles	V	V	V	V
Role-based permission management	V	V	V	V
Password recovery	V	V	V	V
Two-step Authentication	V	X	X	X
Fleet Management				
Add, edit and delete vehicles	V	V	V	V
Assign drivers to vehicles	V	V	V	V
Vehicle history	V	V	X	V
Preventive Maintenance and Inspections				
Inspection checklists	X	V	X	V
Maintenance notifications	X	V	X	V
Maintenance history	X	V	X	V
Real-time monitoring				
Interactive map	V	V	V	V
Real-time alerts	V	X	V	V
Route and time tracking	V	X	V	V
Reports and Analysis	V	X	V	V
Dashboard with statistics	V	V	V	V
PDF/Excel reports	V	V	X	X
Performance comparison	V	V	V	X

Movement and Direction identification	V	V	V	V
Real Time Traffic Layer	X	X	X	V
Planned Route View	X	X	X	V
Integrations and Automation				
API	V	V	V	V

2. SWOT analysis

	Eduardo	Antonio	Francisco
Strengths	- Ability to learn quickly - Creativity and problem-solving - Teamwork - Good communicating skills in English - Logical and structured thinking - Passion for technology	- Good teamwork and communication skills - Ability to adapt easily to obstacles in the development - Skills in problem solving - Passion to learn new skills and improving the ones from before - Resiliency and hard work	- Solid academic foundation. - Practical experience: 3 years of real-world experience at a software company. - Quick learner: being a student in a field like computer science requires the ability to learn quickly. - Attention to detail: attention to detail and methodical approach. - Knowledge of fleet management.
Weaknesses	- Limited business knowledge - Lack of experience in complex applications - Limited knowledge of fleet management - Risk of overcomplicating the project	- Limited ability on time managing - Limited knowledge on fleet management - Stubbornness and difficulty to change	- Shyness/communication barrier. - Limited leadership experience is still under development.
Opportunities	- Learning new technologies - Market differentiation - Market differentiation - Growing as a better developer	- Growing in knowledge and skills useful in development - Develop teamwork skills with the tasks and management	- Leverage academic foundations. - Expand and develop leadership skills through projects and responsibilities. - Specialize in high-demand areas within software development (AI, cloud, cybersecurity, …).
Threats	- Technical limitations - Lack of time - Technical challenges	- Very competitive business - Development challenges	- Highly competitive tech job market. - Rapid tech change that requires continuous learning.

Instructions:

In the first table, each member must select an app similar to yours and indicate the features they provide or lack (you can include some comments in the corresponding cell). In the second table, each member must indicate a strength, a weakness, an opportunity, and a threat. Include references to the sources of information (remove the examples provided in the tables and references). In both tables, substitute 'Member X' with the name of the team member. Convert your document into PDF format and name it R1_XX.pdf, where XX is the identifier of your team.

	- Limited access to real data for testing - Competition with established apps - Hardware limitations		- Increasing importance of communication skills in software development. - Instability and economic cycles in the tech sector. - Time constraints for project development due to academic commitments.

References:

[1] SoftDev, "Superapp," 2024. [Online]. Available: www.superapp.com. [Accessed 1 2025].

Instructions:

In the first table, each member must select an app similar to yours and indicate the features they provide or lack (you can include some comments in the corresponding cell). In the second table, each member must indicate a strength, a weakness, an opportunity, and a threat. Include references to the sources of information (remove the examples provided in the tables and references). In both tables, substitute 'Member X' with the name of the team member. Convert your document into PDF format and name it R1_XX.pdf, where XX is the identifier of your team.