

Instituto Tecnológico y de Estudios Superiores de Monterrey



Modeling of Multi-Agent Systems with Computer Graphics (101)

Evidence 2. Progress and presentation of the challenge.

Review 3

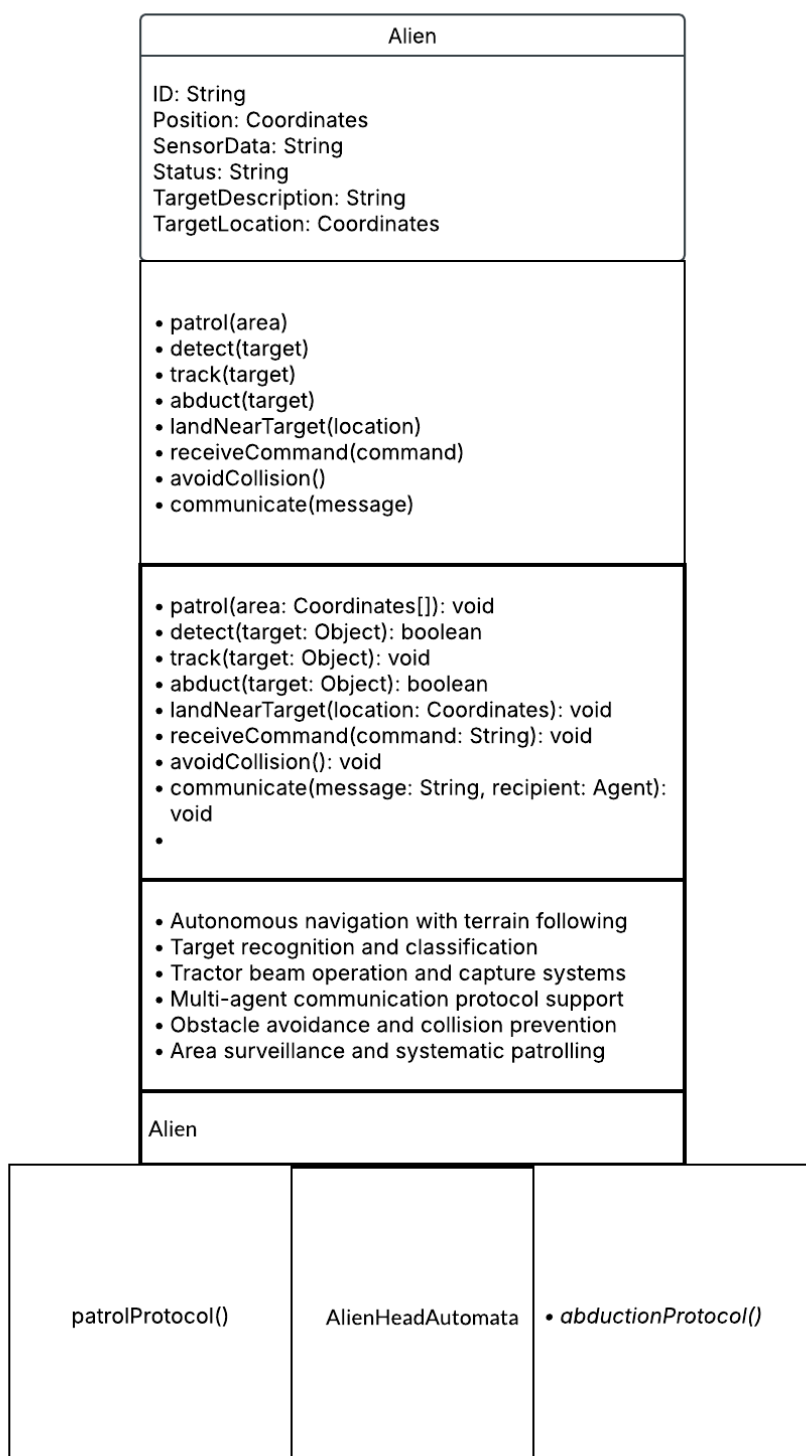
Professor:

Iván Axel Dounce Nava

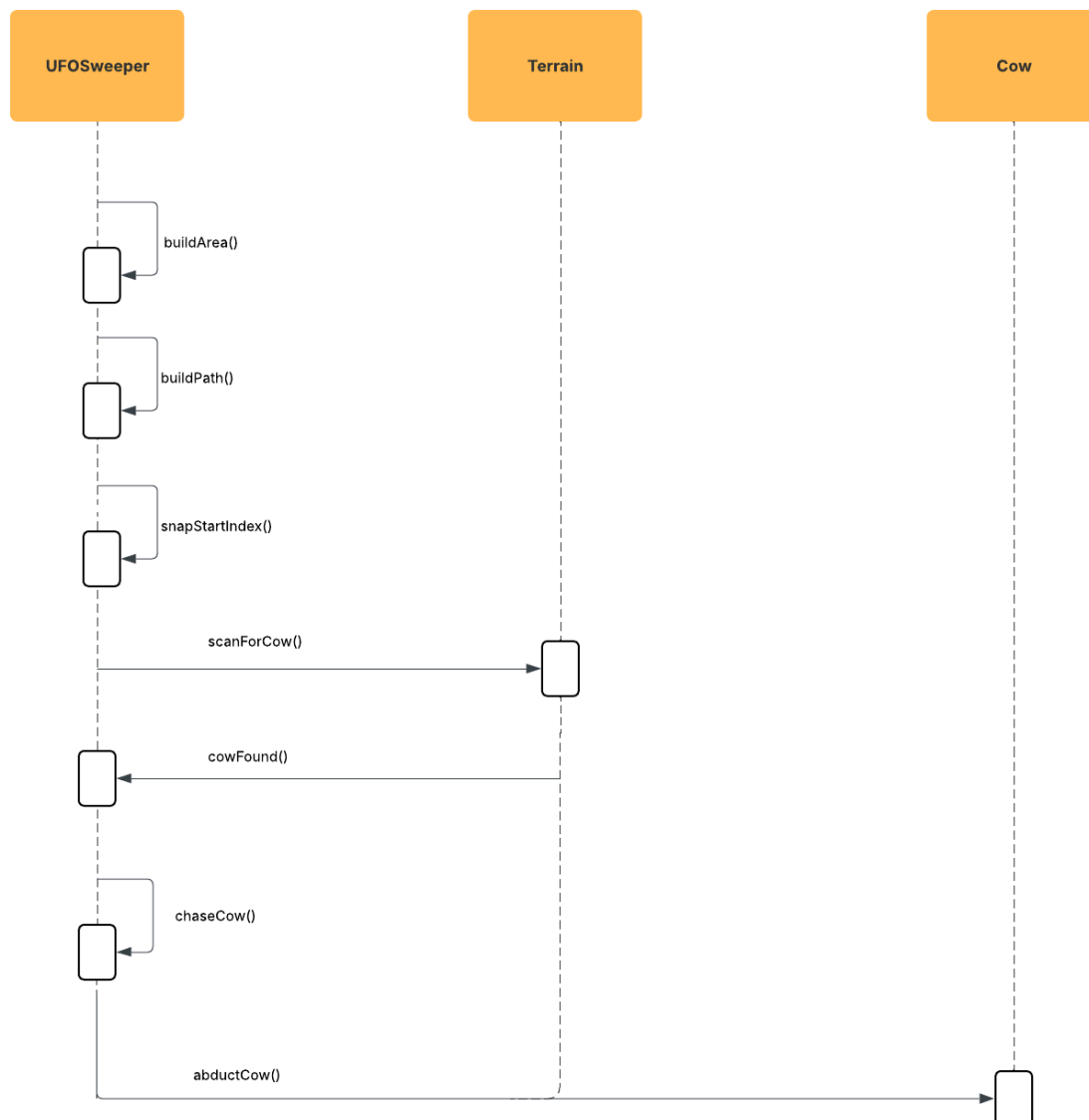
Karen Valentina Mariel Villagrán	A01541014
Guillermo Baltazar y Nungaray	A01621090
Luciano Luna García	A01645870
Daniel Eden Wynter González	A01645202
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Campus Guadalajara

Final UML agent class diagrams and interaction protocols.



UML Diagrams to explain the simulation and its elements.



Code (at least 50%) for implementing the agents.

In the Github repository: <https://github.com/Lucianogrc/Person-of-Interest>

Code (at least 50%) for implementing the graphical part of the solution or simulation

In the Github repository: <https://github.com/Lucianogrc/Person-of-Interest>

Work Plan and Learning Outcomes

Pending Activities and Estimated Timeframe

COMPLETE – 

Table 1.2

Activity	Responsible	Due Date	Estimated Effort
Finalize Class Diagrams of Agents (UML)	Daniel	20/08/2025	4 hours
Finalize Interaction Diagrams of Agents	Mariano	27/08/2025	3 hours
Implement Navigation Agent Module	Guille	03/09/2025	6 hours
Implement Perception Agent Module	Guille	03/09/2025	6 hours
Implement Decision-Making Agent Module	Daniel	03/09/2025	6 hours
Integrate MAV with all agent modules	All team	10/09/2025	5 hours
Develop and finalize graphical interface for simulation	Luciano	10/09/2025	5 hours
Consistency review and final documentation	All team	12/09/2025	3 hours

Team Work Plan for Review 2 (Week 2, 10%)

Table 1.3

Task	Responsible	Due Date	Estimated Effort
Present initial Class Diagrams of Agents	Daniel	27/08/2025	10 min
Present initial Agent Interaction Diagrams	Karen	27/08/2025	10 min
Describe agent types and functions	All team	27/08/2025	15 min

Explain MAV's mission flow and agent communication	Mariano	27/08/2025	10 min
Review graphical consistency and formatting	All team	27/08/2025	5 min

Team Work Plan for Review 3 (Week 4, 10%)

Table 1.4


Task	Responsible	Due Date	Estimated Effort
Present final Class Diagrams and Interaction Protocols	karen	10/09/2025	15 min
Submit at least 60% of agent implementation code	Daniel	10/09/2025	10 hours
Submit at least 60% of graphical simulation/interface code	Luciano	10/09/2025	8 hours
Update work plan and learning acquired	All team	10/09/2025	2 hours

Luciano Luna García –  Yellow

Karen Valentina Mariel Villagrán –  Blue

Guillermo Baltazar y Nungaray –  Green

Daniel Eden Wynter González –  Purple

Tarik Maina Gichuki –  Orange

Mariano Sánchez Bermúdez –  Red