

<https://youtu.be/Q6Q07GF5kj0>

Youtube Video Link

CISC 322 Assignment 3

Architectural Enhancement of Apollo

Group 19

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Enhancement Feature

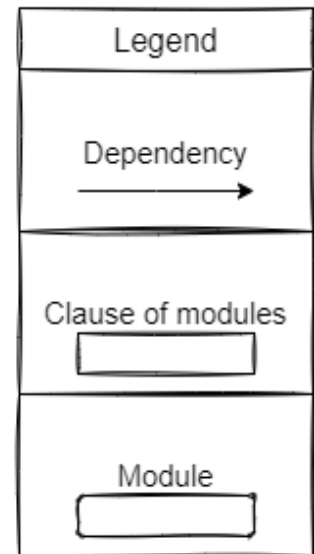
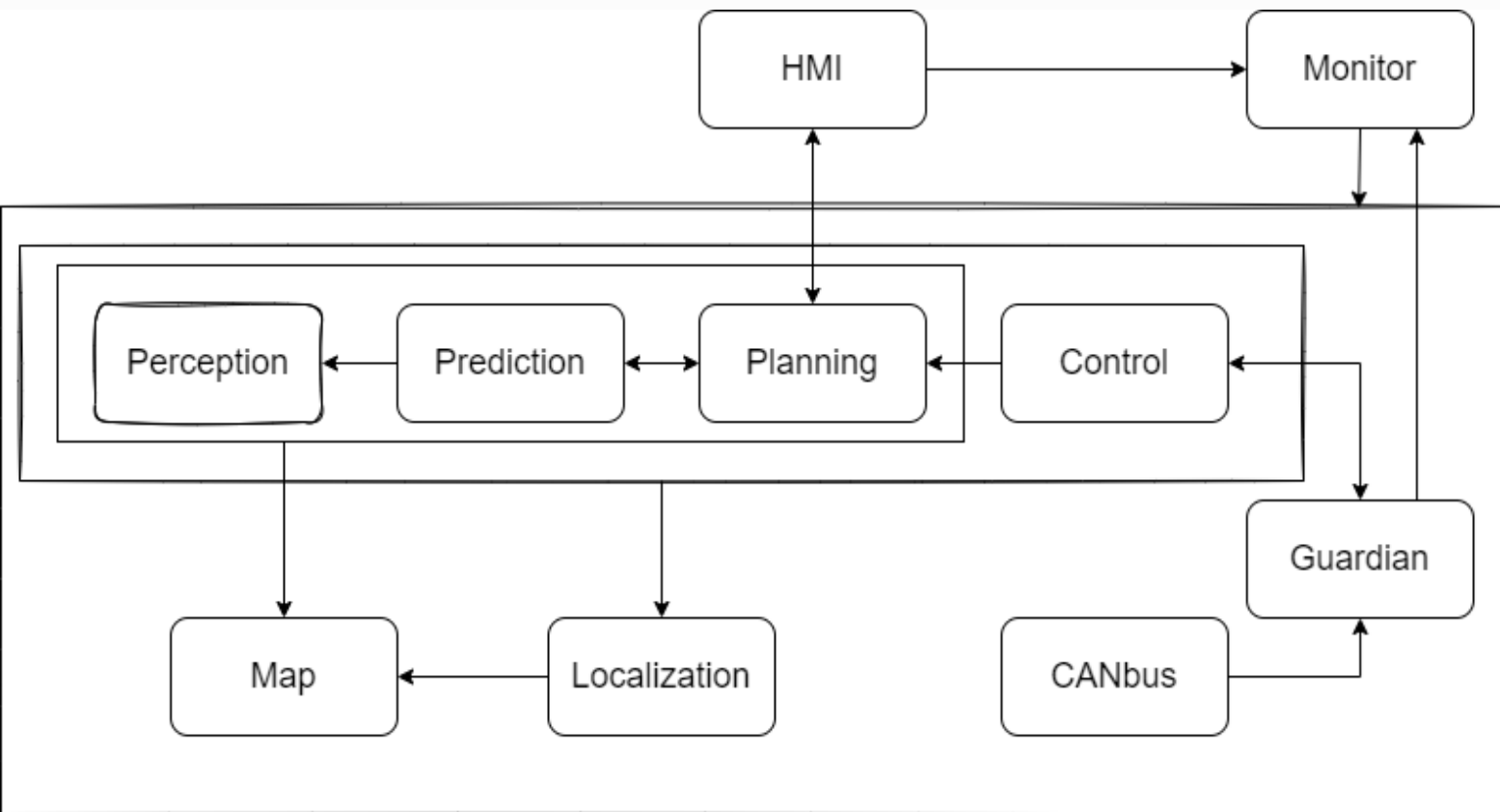
Handle special road condition:

- special vehicle avoidance
- special road surface conditions
- congested road avoidance

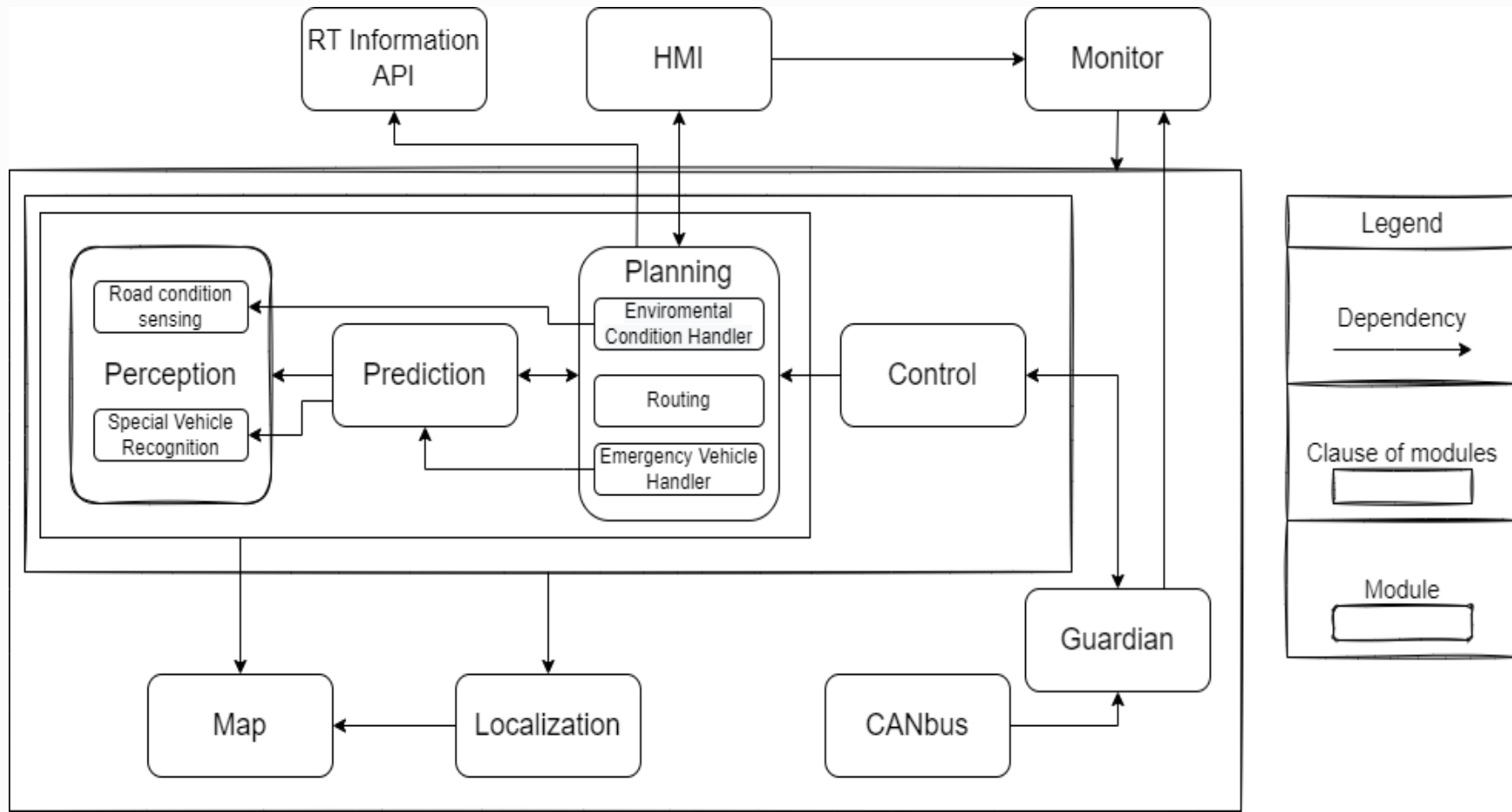
Some NFRs:

- Performance (response time)
- Accuracy
- Maintainability
- Security

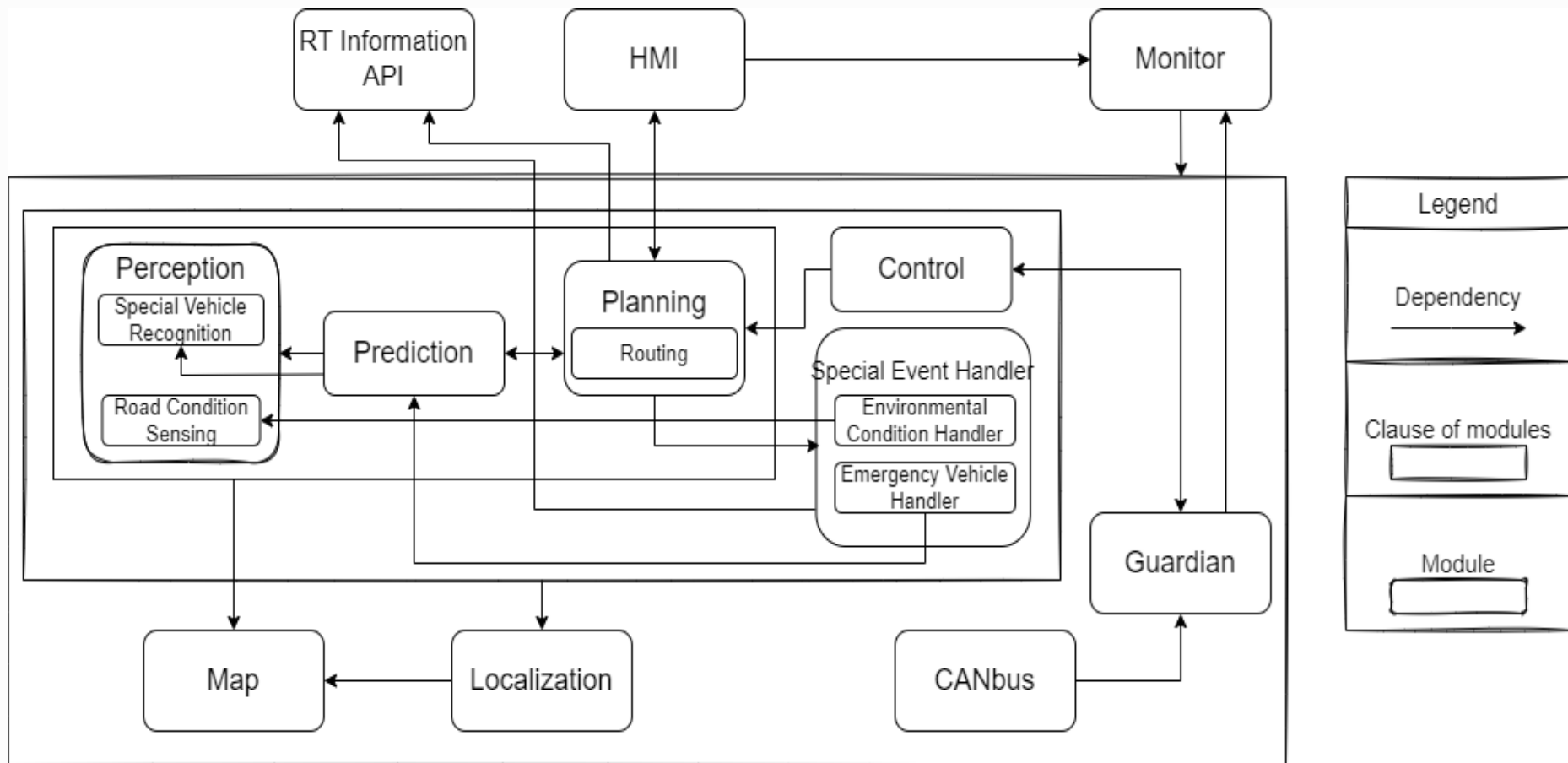
Conceptual Architecture Recap



Implementation (approach 1)



Implementation (approach 2)





Effects

- Maintainability
- Evolvability
- Testability
- Performance



SAAM Analysis

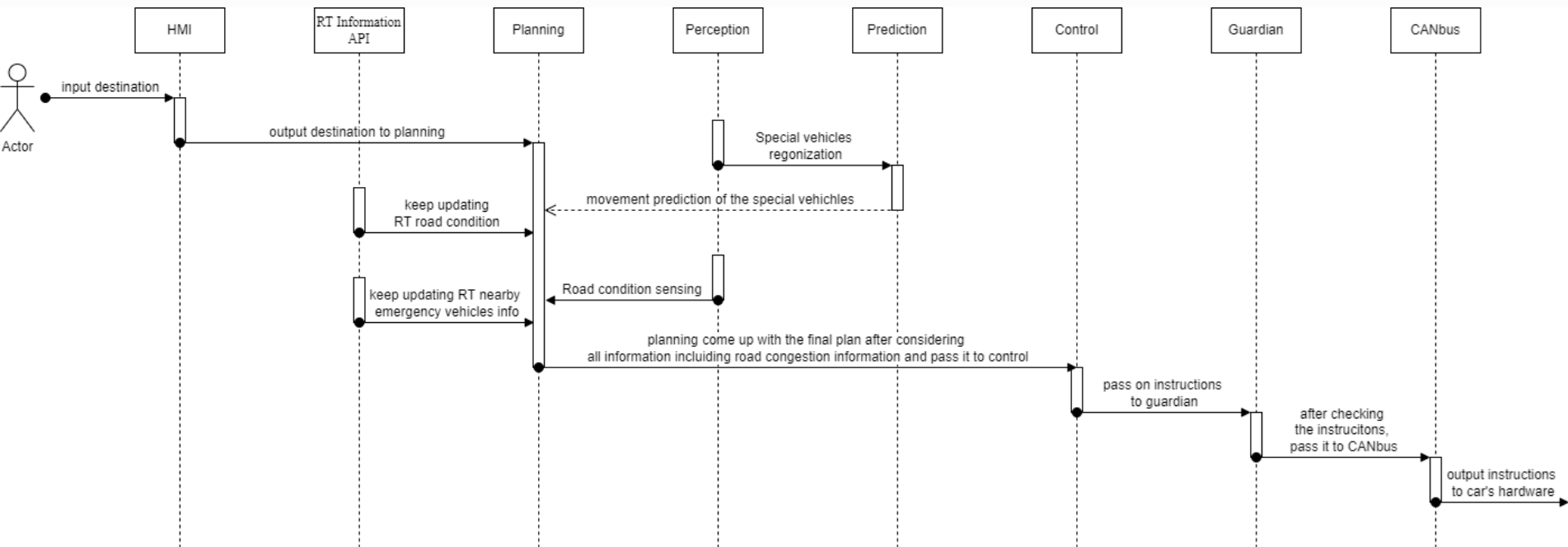
Stakeholders:

- Users
- Apollo System Developers
- Emergency workers
- Investors

Impacts of Suggest Ways(Implementation) on NFR and Stakeholder

Use case 2: Apollo encounters sudden bad weather/road condition while driving

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Testing Plans

- Functionality Test
- Cloud Service Test
- Realistic Scenario Road Test
- Source Codes Examination



Lesson learned & Limitation & Risks & Concurrency & Team Issues



Conclusion



Thank you