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Ford

Final Event
Aachen, Germany
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Adapt|:|Ve

*Automated Driving Applications and
Technologies for Intelligent Vehicles*

Use Case Design



// Why Use Cases?

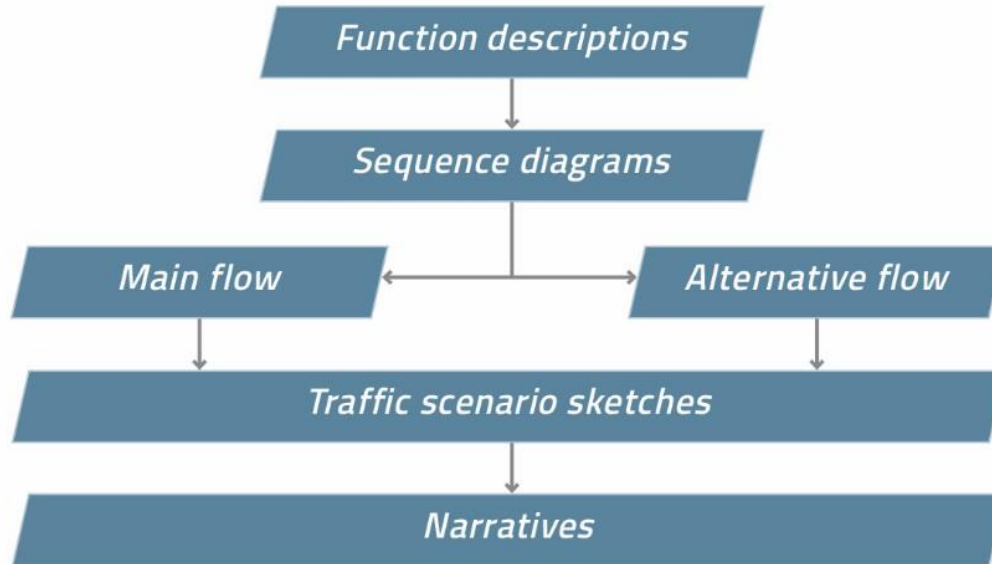
- **Definition:** A use case is the description of a specific sequence of interaction between the user(s) and a technical system to achieve a specific goal

// Introduction

- Workshop at DLR in Braunschweig
- Meeting of all stakeholders to discuss and derive Use Cases
- DLR IDeELab Theatre System was used to aid development process



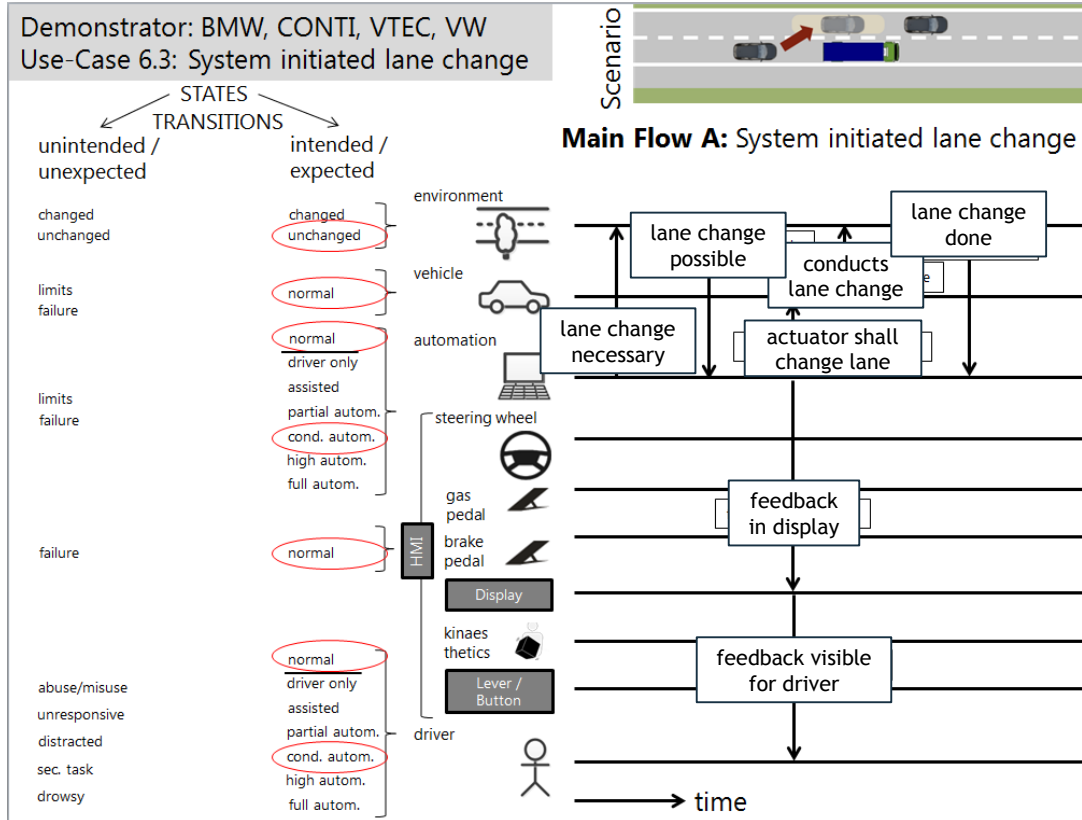
// Use Case Design Process



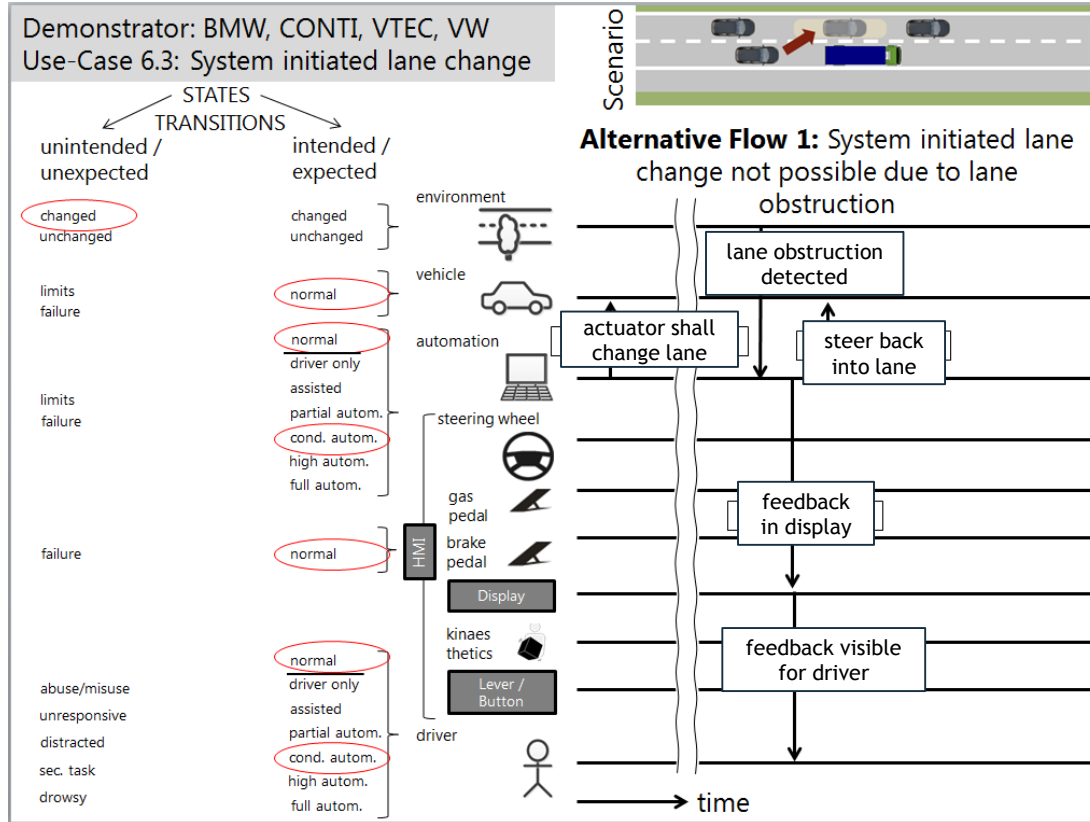
// Use Cases Overview



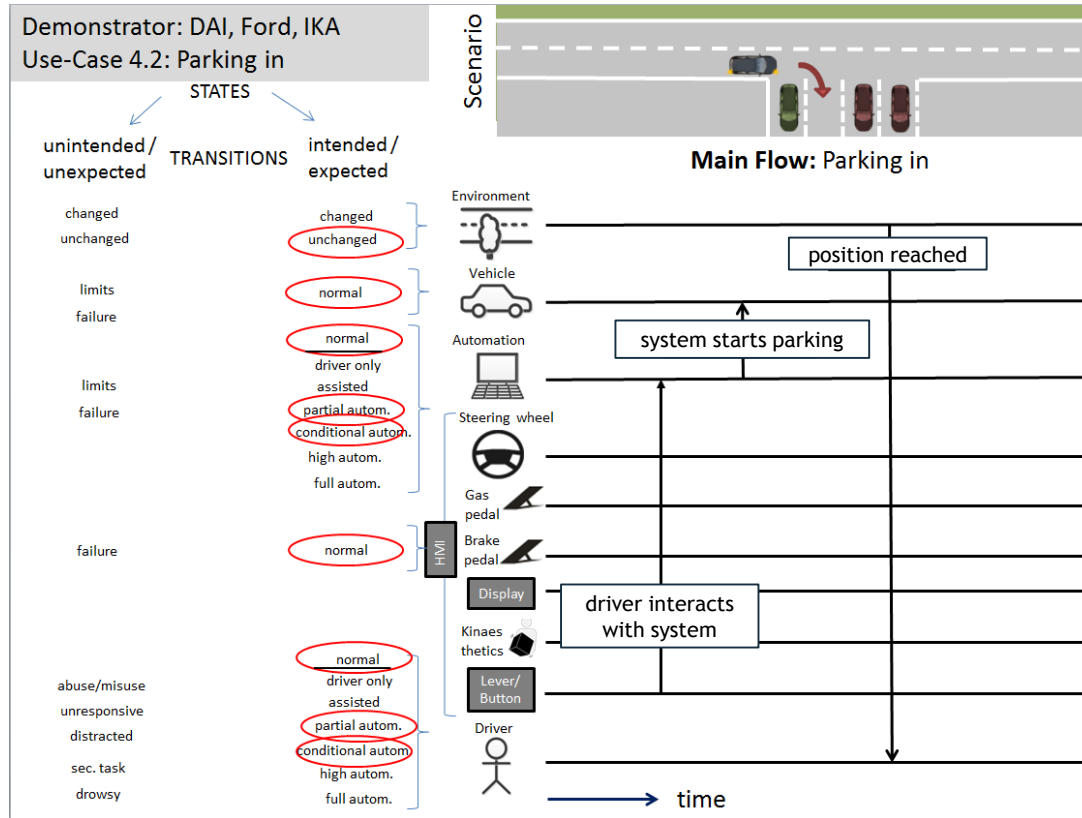
// Sequence Diagrams



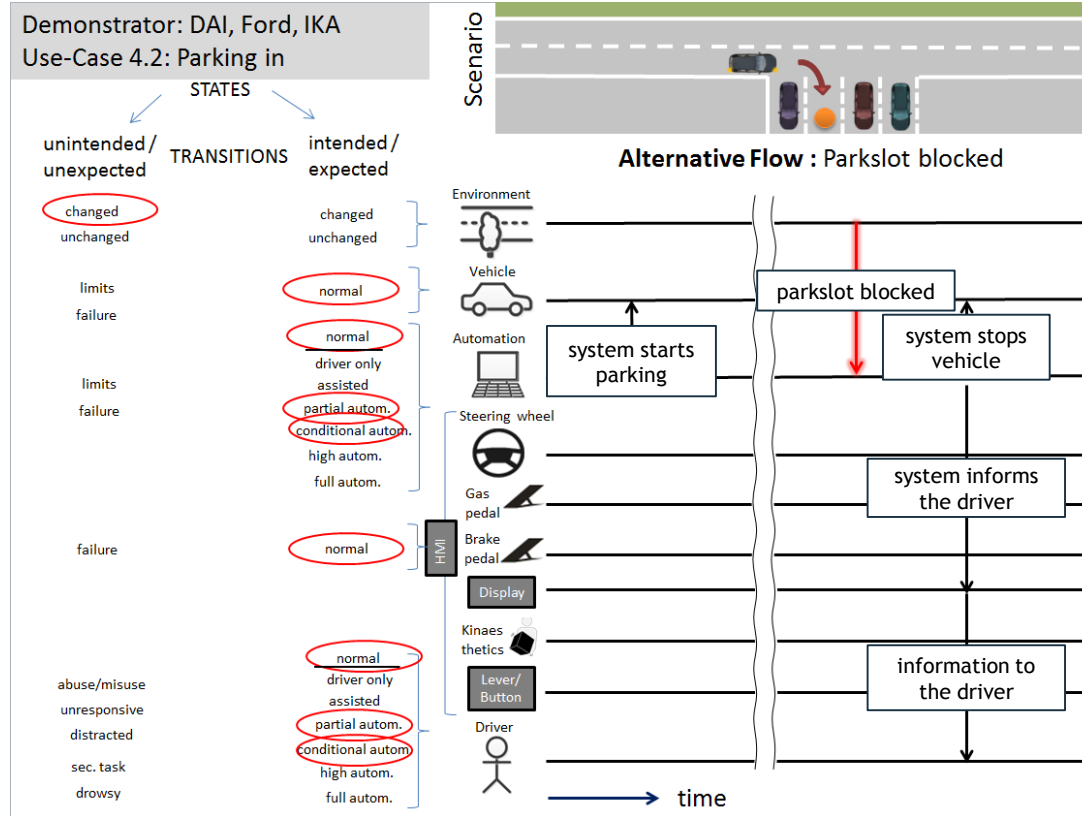
// Sequence Diagrams



// Sequence Diagrams



// Sequence Diagrams



// Number of Use Cases

	Use Cases	Main Flows	Alternative Flows
Close Distance	6	9	9
Urban	7	11	12
Highway	10	13	15

// Conclusions

- The outcome of this design process are use case scenarios for automated driving in low, medium and high speed environments
- They serve as a baseline for functional requirements, research questions and human factors recommendations
- What is to be developed, what is out of scope
- Input to AdaptIVe deliverables on Use Cases and Requirements as well as Use Case Catalogue



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Thank you.

