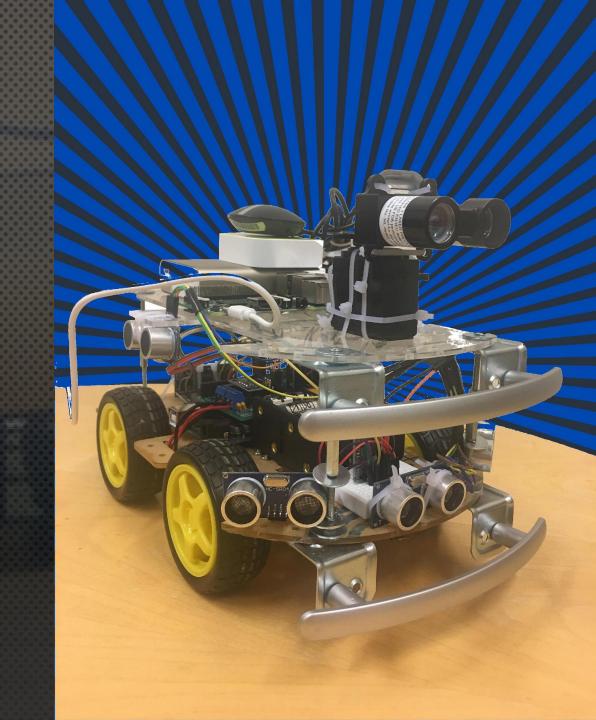


MAIN GOAL

• FOLLOWING A 'TRAVELER'

FEATURES

- MOBILE APPLICATION
 - Manual control
 - AUTONOMOUS*
- CAMERA SUPPORT (VIDEO STREAM)
- COLLISION PREVENTION
- OBSTACLE AVOIDANCE
- GPS FOLLOWING*



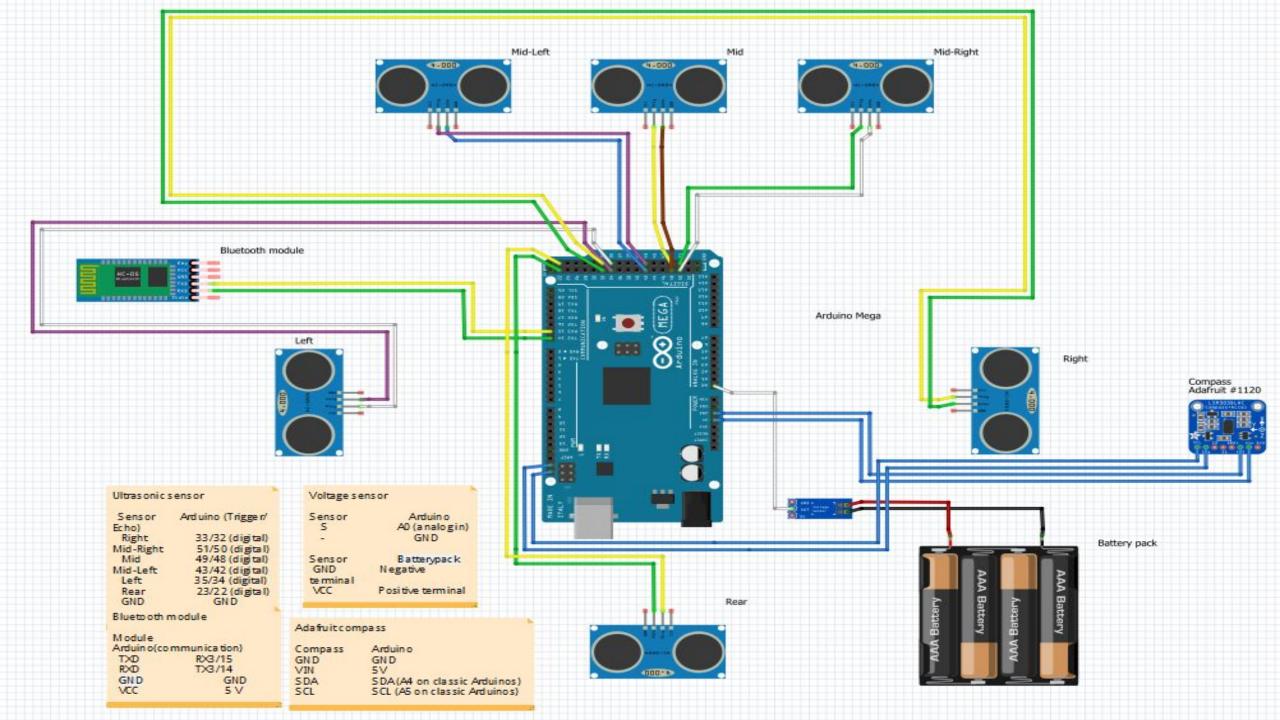
System and Software Architecture

<u>S</u>CHEMATIC

- ORGANIZED COMPONENTS CONNECTIONS
- COLOR-CODED WIRING

Class Diagram

- LACK OF ARCHITECTURAL SKILLS
- TRYING TO DIVIDE ARCHITECTURE IN LAYERS



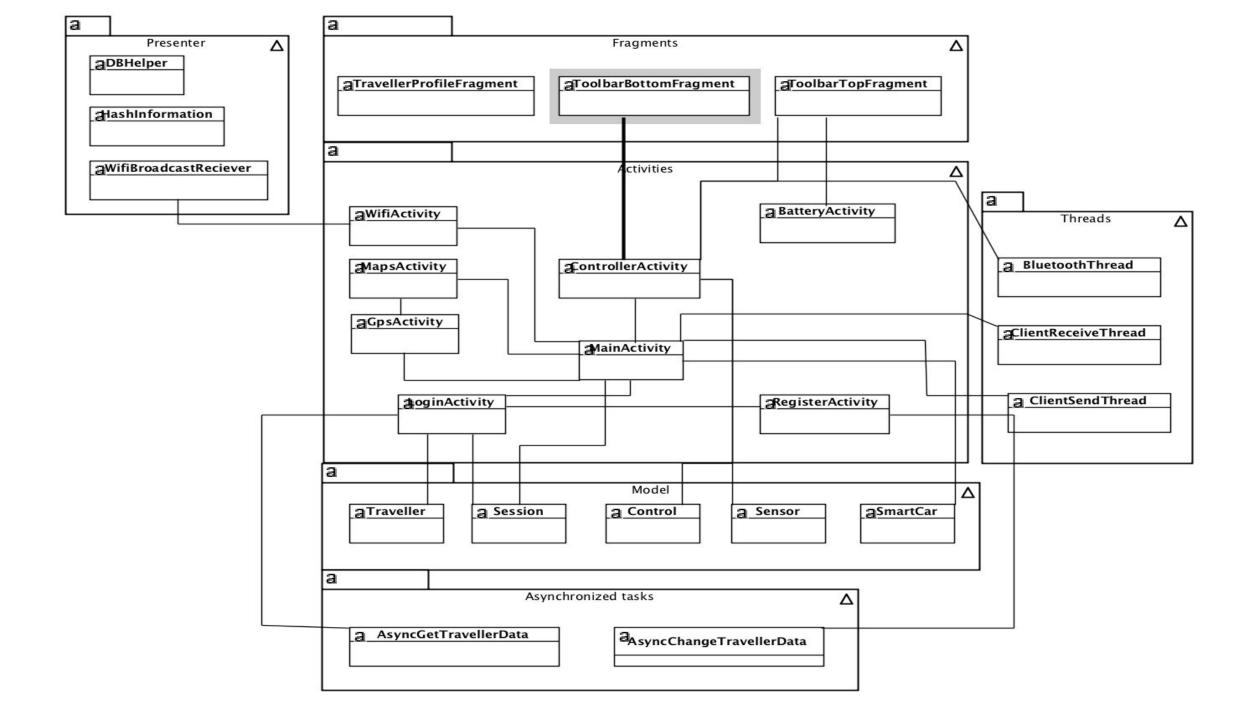
System and Software Architecture

SCHEMATIC !

- ORGANIZED COMPONENTS CONNECTIONS
- COLOR-CODED WIRING (COLORS ON THE CAR CORRESPOND TO THE ONES ON THE SCHEMATIC)

CLASS DIAGRAM

- LACK OF ARCHITECTURAL SKILLS
- TRYING TO DIVIDE ARCHITECTURE IN LAYERS (BUSINESS, LOGIC, UI)



System and Software Architecture

SCHEMATIC

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Class Diagram

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WORKING PROCESS

- SPRINT PLANNING MEETING
 - SPRINT ITERATION PLANS
- STAND-UPS
- CODE REVIEW
 - REFACTORING
- Pair programming
- Retrospectives
- Quality assurance



QUALITY ISSUES

Hardware and Software

- Hardware limitations
- Lack of technical depth
- COMPLEXITY
- BLUETOOTH CONNECTION
- PYTHON

Process and Planning

- LOFTY IDEAS
- Lack of knowledge
- REQUIREMENT SPECIFICATION
- Time allocation

EXPERIENCE & LESSONS LEARNED

- FOCUS ON PLANNING
- INCREASE EFFICIENCY WITH TOOLS
- Establish uniformed definitions for consistency
- TRY TO CREATE AN ARCHITECTURE
- ESTABLISH STRICTER RULES FOR MEETINGS

