1. Introduction
   1. Motivation
   2. Scope
   3. Goals
2. Background Research
   1. Literature Review
   2. The design of everyday things
   3. Don’t make me think
   4. Raspberry Pi
   5. Computational thinking
      1. Women in technology
      2. Students
      3. Teachers
   6. CECIl
   7. Comparisons with other technologies
3. Requirements Analysis
   1. Functional
   2. Non-functional
   3. Constraints
   4. Assumptions
4. Design
   1. Approach + accessibility
   2. UMLS
      1. Class diagram
      2. Sequence diagram
      3. Use case diagram
      4. Flow diagram
   3. Wireframes
      1. Initial design
      2. Final design
5. Implementation
   1. Approach
   2. Technologies and tools
      1. Technology specs
      2. Java, Antlr
   3. Documentation
      1. Java-docs
6. Testing
   1. Test approach/plan
   2. White-box
      1. Unit
      2. Integration
   3. Black-box
7. Evaluation
   1. Evaluation with teachers
   2. Evaluation with students
   3. Evaluation with women in technology
8. Future work
9. Final Conclusion
10. Project Management
    1. Planning
       1. Risk analysis
       2. Group skills and contributions
    2. Time management
       1. Gantt Chart
       2. Timesheets
11. Appendices
    1. User manual
    2. API documentation