**Presentation plan**

1. Intro - Hello - Minhea
2. Quick summary of project - Minhea
   1. Brief description of automata
3. DEMO - Boti, Dan
   * 1. Prepare saved regexs so smooth
     2. Explain Thompson’s and Power Set Construction
   1. Start simple - “a” (Show NFA and DFA)
   2. Show or - “a|a” (Show NFA and DFA)
   3. Show \* - “a|a\*” (Show NFA and DFA)
   4. Prove we validate the regex - “\*”, “)”
   5. More intricate regexs
   6. Load an interesting one, show string testing
4. Software Engineering - Tom
   1. Design/Class Diagram
   2. Agile and SCRUM meetings
   3. Early Prototype
   4. Testing through JUnit and manual GUI/feature testing
5. Talk about technical - Owen
   1. Module for backend processing
   2. Passed animation frames to front end GUI module
   3. This draws it on screen, and handles all I/O.
6. Team Work - Piotrek
   1. Organisation of work
      1. 3 weekly meetings - discuss ideas and problems, assign tasks, merge code
      2. Who does what - suggestions, ideas, who’s best at what (Tom - Java FX, Boti Danyil - algorithm)
      3. Pair programming
   2. Problems, conflicts, solutions
      1. Top-down or bottom-up approach - decided to do top-down so it looks clearer because only 1 automaton at a time
   3. Communication
      1. Facebook - constantly keeping everyone posted about everything, changes, updates, ideas, meetings
      2. Google Drive - all the documents and reports, changes visible straight away
   4. Gantt chart - everything planned with 1 day precision, not everything according to the plan (put the chart on the slides!)
      1. Some components required more time
      2. Problems found out later
      3. Other coursework cropped up
   5. SVN
7. Conclusion - Minhea
   1. So that’s our project so far, hope good learning tool
   2. Potential improvements:
      1. Minimisation
      2. Zooming
      3. Bottom-up approach