

Task Description	Estimated Hours	Actual Hours
Jaden	35.5	37
02/15/2020 - Create base application	1	1
02/16/2020 - Write wiki page for react.js	0.5	1
02/18/2020 - Design high-level processing algorithm	1.5	1.5
02/23/2020 - Implement text pre-processing	2	3
02/25/2020 - Test web hosting	0.5	0.5
03/02/2020 - Test and review code changes	1	3
03/08/2020 - Add weighted logic to selection from response list	1	0.5
03/08/2020 - Save history of past responses	1	0.5
03/14/2020 - Add server-side express functionality	3	3
03/17/2020 - Implement component-based GUI	2	3
03/17/2020 - Integrate GUI with server-side functionality	1	2
03/20/2020 - Design advanced response mapping	3	3
03/23/2020 - Expand tree node input functionality	1	1
03/24/2020 - Add synonyms to language processing	5	2
03/26/2020 - Add extra topic to agent repertoire	1	1
03/27/2020 - Implement feature to handle spelling mistakes	1	1
03/29/2020 - Add list of 5 features that can be used as API	1	1
03/29/2020 - Walk through of each feature in README file	3	3
03/31/2020 - Fix bugs found in pre-processing test	1	1
04/03/2020 - Increase conversation repertoire / capability	2	2
04/03/2020 - Update README file in Github	3	3
Jon	31	40
02/11/2020 - Setup Github repository	0.5	0.5
02/11/2020 - Create README template	0.5	0.5
02/12/2020 - Create WBS / GANTT template	1	1
02/24/2020 - Setup web server to host production site	2	3
02/24/2020 - Add SDLC rational to project document	0.5	0.5
02/27/2020 - Add description to document	0.5	0.5
03/02/2020 - Align requirements with deliverables	1	1
03/02/2020 - Add SDLC phases / tasks to document	1	1
03/02/2020 - Add final WBS / GANTT to document	1	1
03/03/2020 - Finalize README file in Github repository	2	1.5
03/09/2020 - Start advanced GUI	3	4
03/16/2020 - Learn about React states and components	2	4
03/16/2020 - Add scroll bar to chat UI	0.5	0.5
03/16/2020 - Finalize UI message styling	1.5	3
03/17/2020 - Implement component-based GUI	2	3
03/18/2020 - Connect GUI to message history	1	2
03/18/2020 - Add auto-scroll function to GUI	1	1
03/18/2020 - Test and troubleshoot new master branch	1	3
03/30/2020 - Test pre-processing for bugs	0.5	0.5
03/30/2020 - Provide level 0 DFD	2	1
03/30/2020 - Provide level 1 DFD	2	3
04/03/2020 - Add Github link and commits by user	0.5	0.5
04/03/2020 - Finalize and submit documentation	3	3
04/04/2020 - Test and deploy final version on production server	1	1

Task Description	Estimated Hours	Actual Hours
Michael	39	36.5
02/13/2020 - Research chatbot algorithms	4	4
02/17/2020 - Run base application	0.5	0.5
02/18/2020 - Design high-level processing algorithm	1.5	1.5
02/22/2020 - Sample conversation 1	1	1.5
02/24/2020 - Initial text file for output tree	0.5	0.5
02/27/2020 - Add list of limitations to document	0.5	0.5
02/28/2020 - Test and prepare for 30 turn conversation	1	2
02/28/2020 - Populate sample output file in Github	0.5	0.5
03/02/2020 - Add Github commits by user	0.5	0.5
03/04/2020 - Learn natural NLP functionality and use	3	3
03/09/2020 - Research neural net/machine learning	2	1
03/09/2020 - User input NLP pre-processing	2	2
03/19/2020 - Implement natural functions server-side	2	2
03/20/2020 - Design advanced response mapping	3	3
03/21/2020 - Test natural functions server-side	1	1
03/24/2020 - Add synonyms to language processing	5	2
03/26/2020 - Add extra topic to agent repertoire	1	1
03/27/2020 - Add 5 non-topic related responses	0.5	0.5
03/27/2020 - Implement feature to handle spelling mistakes	1	1
03/29/2020 - Walk through of each feature in README file	3	3
04/03/2020 - Increase conversation repertoire / capability	2	2
04/03/2020 - Update README file in Github	3	3
04/03/2020 - Add list of limitations to document	0.5	0.5
Shamus	32.5	32.5
02/13/2020 - Research chatbot algorithms	4	4
02/18/2020 - Design high-level processing algorithm	1.5	1.5
02/22/2020 - Implement text input processing	3	4
02/26/2020 - Text mapping algorithm	3	3
02/27/2020 - Basic text input and output UI	2	1
02/27/2020 - Output generation	1	1
03/04/2020 - Learn natural NLP functionality and use	3	3
03/10/2020 - Update isQuestion method	1	1
03/15/2020 - Learn about slack integration	4	4
03/19/2020 - Implement Slack chat-bot integration	3	3
03/30/2020 - Begin writing script	1	1
04/02/2020 - Create and edit a 60 to 90 second video	3	3
04/02/2020 - Description of the conversational topic	1	1
04/02/2020 - Show each feature and how it adds to system	1	1
04/02/2020 - Description of the data flow diagrams	1	1
Grand Total	138	146