

Criterion B: Record of tasks

Task number	Planned action	Planned outcome	Time estimated	Target completion date	Criterion
1	Review Program Design (Criterion B)	Design overview, UML diagram, flowchart, user narrative added	30 min	2/8/17	B
2	Write code to retrieve news sources with NewsAPI – store in TreeSet	Able to print out all the news articles from a variety of categories, based on time stamp. Null publishedAt dates were dealt with by replacing with current time, and 400 response code (no “top” sortBy available) were dealt with by using “latest” instead)	1 hour	2/14/17	C (programming)
3	Start developing GUI for the first few steps (setup menu, displaying articles)	Got basic GUI for home page (article feed)	1.5 hours	2/16/17	C (programming)
4	Refining gui, add buttons and setup menu	Added article icon that opens up Internet Explorer page of article, “Post about it” button (not functioning yet), made home page formatting much better. Added a menu bar with “Settings” and “Refresh buttons” Settings window exists, still needs to be filled in and be able to modify User object	1.5 hours	2/21/17	C (programming)

5	<p>Finish settings menu</p> <p>Start on posting authentication</p>	<p>Figured out how to save interest (category) settings when you press “save”, dealt with issues in not finding urlToImage images (check if null).</p> <p>Started working on social media configuration</p>	1.5 hours	2/23/17	C (program ming)
6	<p>Finish settings menu</p>	<p>Got settings menu done. Formatting isn’t amazing but it’s functional. Stores these values into the User object.</p>	1.5 hours	2/27/17	C (program ming)
7	<p>Get to post to twitter</p> <p>Add instructions for getting twitter auth key to settings</p>	<p>Added instructions, fixed up some post length issues and credential validation.</p> <p>Was not successful in twitter posting bc of school wifi</p>	1.5 hours	3/3/17	C (program ming)
6	<p>Develop method to determine which articles are trending, start on posting dialogue for autoposting</p>	<p>Determined which articles were trending (by generating keywords for each article)</p>	1.5 hours	3/7/17	C (program ming)
7	<p>Get postToTwitter working</p> <p>Write up automatic post window</p>	<p>Successfully posted to twitter, got automatic posting window to show up with the correct buttons, need to work on finding what’s trending (bc idk if that’s working right yet, max integer was found to be INTEGER_MIN which is wrong of course (maybe I put source to be empty))</p>	2 hours	3/9/17	C (program ming)

8	Finish automatic posting	Got automatic posting done, refined the automatic post window	1.5 hours	3/16/17	C (programming)
9	Posting to facebook	Used RestFB to post to facebook Discovered Extended Access Key feature	2 hours	2/18/17	C (programming)
10	Edit and refine GUI	Got home window to scroll back up after refreshing. Fixed up instructions for social media configuration Added link (in manual post frame) to JTextArea because it couldn't wrap as JLabel Frame size fixes Add some try/catch blocks to deal with null fields in Article objects	6 hours	3/19/17	C (programming)
11	Export as executable jar, do video and write transcript	Went back to code and fixed small errors, cleaned it up a bit, then exported and did video.	2.5 hours	3/20/17	C (programming)
12	Work on Part C and finish up any video-related tasks	Finished up video transcript and rest of Part D (key features, extensibility), started on self-evaluation (Part E) since I don't have the client review yet. Kept working on Part C.	2.5 hours	3/22/17	C (documentation), D, E
13	Continue working on Part C	Got further in Part C: through refreshing, now into posting to facebook and twitter	2 hours	3/23/17	C (documentation)

14	Finish part C, keep working on Part E	<p>Finished Part C.</p> <p>Saved Part A, B (Design), C, and Appendix as pdf</p> <p>Completed self-evaluation</p>	1.5 hours	3/24/27	C (documentation) , E
15	Get client evaluation and update and finish Part E	<p>Showed Chris Bowers the programming, taking notes of his response and suggestions, then updated the "Client Interview" and "Future Development" sections</p>	30 minutes	3/26/17	E