

Name: **Project Group (Name/Number): Software 3 - Group 4**

This activity log is for you to document your contributions and ideas you have done towards your final group project. This will be submitted to your instructors along with your project code. You can document how many minutes you spent working on your code, when you had team **meetings** outside of the class sessions. Or use this as a way to take notes for your own viewing

Week:	Date:	Activity/Task:	Time spent on Activity:	Completed?	Notes:
9	27/04/23	Initial meeting as a group to discuss initial thoughts. Decided to all think about possible project directions (game/app etc) and agree a focus at our next meeting. Also created a group slack to enable better communication. Created a poll in slack to vote for 20 themes of interest to help figure out the common interests of the group.	30 mins	Yes	<div>Key:</div> <div>Meetings</div> <div>Coding</div> <div>Writing</div>
9	01/05/23	Completed a SWOT analysis and decided to focus on making a web app using an API. We will all come up with one idea which we will narrow down at the next meeting. Also made a spreadsheet of general availability to help plan weekly meetings.	1 hour	Yes	
9	02/05/23	Go through our list of ideas and narrow down to 2. We will then develop these further to present to Arthur on Friday to guide our final decision. Narrowed down to 'fridge app' and 'book app'	1 hour	Yes	
9	03/05/2023	Created highlevel program flow diagram for specialisation homework 2	2 hours	No	
9	04/05/2023	Created highlevel program flow diagram for specialisation homework 2	1 hour	Yes	
10	05/05/23	Met with Arthur to discuss our ideas and gain some more clarification about aspects of the project. We created a poll on slack for everyone to vote on which idea to pursue, with the decision to be taken on 06/05/23.	30 mins	Yes	
10	08/05/23	Breaking down the project idea into the tasks and dividing the tasks among the defined roles. Making the spreadsheet for people to choose their roles and tasks. Splitting work into tasks for the Homework 2.	1 hour	Yes	
10	09/05/23	An intense brainstorming session to discuss different implementations of the chosen API. Discussed the feasibility of the front end development and decided to run through Python console and consider futher front end development as a stretch task if time or as suggestion for further work. Refining role definition and tasks, volunteering for the tasks and roles. Assigned tasks for the homework to be completed by 11/05/23 to allow for final write up and checking	1 hour	Yes	
11	10/05/23	Coding up the first commit of the app to mock potential interaction scenarios and get as many records as the chosen API allows to return on the basic hit rate plan.	3 hours	Yes	
11	11/05/23	Making our API work with the user_interactions and the external API for the search and random functions	4 hours	Yes	
11	13/05/23	Creating functions in the internal API that interact with the db_utils file	4 hours	No	
11	14/05/23	Writing the first draft of user interaction code	3 hours	Yes	
11	14/05/23	Experimenting with the API to acknowledge potential limitations for exceptions.	1 hours	Yes	
11	14/05/23	Group meeting. All shared the current drafts of the files running the API and all worked to code review together. Clarified the expectations of our functionality. For the next meeting (16/05/23) we aim to have a working prototype to present to the group. Backend developers to work together to make all 3 pieces of code work together by this date.	1 hour 20 mins	Yes	
11	14/05/2023	created python code for the database to communicate with the search queries and wider program	6 hours	No	
11	15/05/2023	defining all the relevant API call methods, testing their function, refactoring the API code	4 hrs	Yes	
11	16/05/2023	Worked on UserInteractions code writing up functions	3 hours	No	
11	15/05/2023	improved and refactored the functions to communicate with the database	2 hours	Yes	
11	16/05/2023	Reviewing UserInteractions code	20 mins	No	
11	16/05/2023	Reviewing UserInteractions code and API code	20 mins	No	
11	16/05/2023	created an 'add review' function for communicating with the database and adjusted the all records function to display it	1.5 hours	Yes	
11	16/05/2023	Group meeting. We have a working prototype! Currently we are only able to use the search function, not the random, but search is working as expected. As a group we again conducted a code review of every file with all offering suggestions. The main areas to work on currently are a general commenting of the code and tweaking the random function. We decide to set up a Trello board linked to our group slack to keep better track of individual tasks. All members to push code to main branch to clarify which is in use. Internal deadlines set: all code finished by 21st May, with testing to be completed by 25th May. A first draft of the report will also be complete by 25th May. Group agree no further meetings until 21st May to allow more time to work on the project individually/in small groups	2 hours	Yes	
11	17/05/2023	Creating mock database entries to test database and added to github repo	40 mins	Yes	
11	17/05/2023	Report editing	1 hour	No	
11	18/05/2023	Getting the interaction with our internal_API and the db_utils files to work	3 hours	Yes	

11	18/05/2023	refactored database functions	1 hour	Yes
11	19/05/2023	Adding to the search and random functions to make sure the books suggestions brought from the external API are not already on the to_read and read lists	3 hours	No
11	19/05/23	Paired report planning and writing	3 hours	Yes
11	19/05/23	initialise README file on github	1 hour	yes
12	20/05/23	refactored SQL code and wrote unit tests for the code	4 hours	yes
12	20/05/23	Report writing	2 hours	No
12	20/05/23	Report editing	1 hour	No
12	21/05/23	Coding on UserInteractions	3 hours	No
12	21/05/23	Pair programming - working on userinteractions, internal APIs	2hours	no
12	21/05/23	Worked on test files for UserInteractions	3hours	no
12	21/05/23	Written up unit tests for the external API methods	6 hours	yes
12	21/05/23	reviewed database function unit testing	1 hour	Yes
12	21/05/23	refactored user output to print table to solve formatting issues	1 hour	Yes
12	21/05/23	Report writing	5 hours	No
		Group meeting. All gave updates on the aspect of the project they are leading on. There is still work to do on unit testing and a few features of the program have some bugs that are being worked through. We discussed how to present our code, including adding additional comments to better describe what is happening. The report is coming along well and a first draft should be available by the internal deadline as more testing will have happened and so can be written about.		
12	21/05/23	continue writing code for User Interactions	30 mins	Yes
13	22/05/23	continue writing code for User Interactions	3 hours	No
13	22/05/23	debugged user interaction code, debugged refactored database functions	1 hour	Yes
13	22/05/23	Report writing	1 hour	No
13	23/05/23	Writing unit tests for the user_interactions.py file	4 hours	Yes
13	23/05/23	Refactoring usersinteractions code and changed the filtered book selection method to selection by sequence number	2 hours	No
13	23/05/23	Learning how to mock external API and DB responses for unit testing	3 hours	Yes
13	23/05/23	debug system, refactored database functions	1 hour	Yes
13	23/05/23	Report writing and editing	2 hours	No
13	23/05/23	Created logo to use in README file and report	1.5 hours	Yes
13	24/05/23	Worked on README file	3 hours	No
13	24/05/23	Report writing - implementation methods	2 hours	No
13	24/05/23	Writing unit tests for the Internal API file	4 hours	No
13	24/05/23	Refacored unit tests for db_utils	4 hours	Yes
13	24/05/23	Dealing with the exception handling for the new, filtered book selection feature by sequence number	3 hours	Yes
13	24/05/23	Working on user_interactions to refactor code	3 hours	No
13	25/05/23	Writing unittests for user_interactions	1.5 hours	No
13	25/05/23	Refactoring UserInteractions code	3 hours	No
13	25/05/23	Attempted to write more unit tests for user_interactions.py but had no success	4 hours	No
		Group meeting. Discussed progress with unit testing and discussed strategies to combat difficulties testing some methods. We have agreed to create a new 'client facing' file called main.py so users don't need to look at all the code if they do not want to. Agreed final deadline times of Saturday night to finish all coding and report writing, with only cosmetic changes allowed after this stage. Everyone to look over and Sunday midday aim to submit. Also discussed how to submit with a new branch and creating folders.		
13	25/05/23	to submit with a new branch and creating folders.	2 hours	Yes
13	25/05/23	Report writing - testing and evaluation	3 hours	No
13	25/05/23	Report writing - implementation challenges	1 hour	No
13	26/05/23	Refactoring UserInteractions code	4 hours	No
13	26/05/03	Completed unit tests for the internal API	3 hours	Yes
13	26/05/23	Writing unittests for UserInteractions	3 hours	No
13	26/05/23	Refactored and cleaned code for db_utils	2 hours	No
13	26/05/23	Refactored and cleaned code for db_utils	1 hour	No

13	26/05/23	review program functionality	1 hour	Yes
13	26/05/23	Report writing and review	1 hour	No
13	27/05/23	Refactored and cleaned code for UserInteractions	1.5 hours	No
13	27/05/23	Report writing and editing	4 hours	Yes
13	27/05/23	Finished first draft of report	4 hours	Yes
13	27/05/23	Separated files into folders to make everything organised in a more logical manner	2 hours	yes
13	28/05/23	Final refactor of UserInteractions code	1 hour	Yes
13	28/05/23	Final group meeting before submission. There are some issues with opening the repo which were ironed out. Did a final review of everything and submitted!	2 hours	Yes

Total time: 166 Hours