

The Five Stages of Software Development

Planning

Planned Action	Planned outcome	Estimated time	Target Completion Date	Criterion
Meeting with client (Recorded)	Have a meeting with the client and come up with a solution that solves the problem.	30 minutes	March 28th	A
Defining the problem	Write down the scenario. What happened? What is the issue/problem? What is a possible solution to that problem?	30 minutes	April 2	A
Write the rationale for the IA	The rationale should be a simplified version of what we are going to do.	30 minutes	April 8	
Write the success criteria	Make objectives that the proposed program should do Writing the success criteria helps check for mistakes or holes not covered previously	40 minutes	April 17	A

Design

Planned Action	Planned outcome	Estimated time	Target Completion Date	Criterion
Create a flow chart	Create flowchart in lucidchart, where it shows the connection between the user and the app as well as the database	20 minutes	May 4	B
Create ERD chart	Make an ERD chart in lucidchart, where it	30-40 minutes	May 6	B

	shows the general relationship between entities and main attributes.			
Create a relational mapping	Make the relational mapping in lucid chart where it shows how the data are related	30 minutes	May 8	B
Create user interface design	Hand draw how the client would view the program.	20 minutes	May 10	B

Development

Planned Action	Planned outcome	Estimated time	Target Completion Date	Criterion
Create DDL for the database	This should be implemented in SQLite to create the tables to store data	1 hour	May 23	C
Create python code	Write python code in Idle, to get the input from user and store the data in the created database	2 hours	June 28	C
Create app for user	Implement Tkinter code into the python code so it is easier for the client to use.	2 hours	July 14	C

Testing

Planned Action	Planned outcome	Estimated time	Target Completion Date	Criterion
Record a video of the app functioning	Record a video of the app functioning while going through the success criteria.	20 minutes	July 25	D

Implementing

Planned Action	Planned outcome	Estimated time	Target Completion Date	Criterion
Install the app on the client's device	Install the app successfully onto the client's device.	20 minutes	Sept 15	E
Train the client	Teach the client how to open the app, how to use it, how to close it, etc.	30 minutes	Sept 15	E
Ask for feedback	Getting both positive feedback and constructive feedback. This helps improve the application in the future.	20 minutes	Sept 15	E