1. Identify a need or opportunity
2. Identify the solution requirements
3. Identify the constraints on the solution
4. Identify the scope of the solution
5. Write a proposal
6. M: Proposal complete
7. Create a list of all tasks to be done
8. Create a gantt chart
9. M: Gantt chart complete
10. Identify appropriate methods of collecting data
11. Write a proposal on the data collection techniques describing advantages and disadvantages of alternatives and how the data will be managed to ensure privacy of data and information.
12. M: Data collection proposal complete
13. Create a consent form
14. Create data collection methods/tools
15. Collect raw data
16. M: Data collection complete
17. Analyse and process raw data
18. Outline purpose and audience of SRS
19. Identify stakeholders – organisations, user characteristics and outline in SRS
20. Identify environment characteristics – application architecture, network requirements and outline in SRS
21. Identify requirements of new solution – statement of purpose, functional and non functional requirements and outline in SRS
22. Outline constraints in SRS
23. Outline scope in SRS
24. Complete the Software Requirements Specification
25. M: SRS complete
26. M: Analysis complete
27. Create a set of evaluation criteria to measure the proposed designs against in terms of efficiency and effectiveness
28. Produce at least two different alternative design ideas for solution
29. M: Design ideas and evaluation criteria complete
30. Evaluate alternative design ideas for solution using evaluation criteria and select the best design
31. Write an analysis of the alternate designs and justify why the preferred design was the best choice using the evaluation criteria
32. M: Analysis on designs and justification of preferred design complete
33. Identify data required and how the data will be named, structured, validated and manipulated. Select appropriate tool/s to describe this.
34. Use selected tools to describe how the data will be processed
35. Identify how components of a solution relate to each other. Select appropriate tool/s to describe this.
36. Use selected tool/s to describe the relationship between components of the solution
37. Determine appearance, position, size of text, images and graphics, font types, colours and other enhancements in the user interface. Select appropriate tool/s to represent this.
38. Use selected tool/s to create a mock-up of final solution
39. Complete a comprehensive set of design notes, using the selected design tools to describe the solution
40. M: Design notes complete
41. M: Design complete
42. Utilise the design notes that describe how the data will be processed to plan out the code
43. Create a database using MySQL
44. Create a new users page to add new users to database
45. Add validation to new users page
46. Create a login page with username and password input
47. Create a logout link and a logged out page
48. Create a simple countdown timer to time work periods
49. Add a function that allows the user to adjust the length of countdown timer
50. Add validation to user input when setting the length of countdown timer
51. Add functioning start, pause and reset buttons to the timer
52. Add notifications that appear when countdown timer runs out
53. Create a second countdown timer to time break periods
54. Allow the user to adjust the length of countdown timer
55. Add validation to user input when setting the length of countdown timer
56. Add functioning start, pause and reset buttons to the timer
57. Add notifications that appear when countdown timer runs out
58. Add break suggestions to the break countdown timer
59. Apply styling to both timers
60. Allow the user to add in their own tasks/subjects with their due dates if needed
61. Add validation to the user inputted tasks/subject names and dates
62. Allow the user to delete tasks/subjects
63. Allow the user to check off tasks/subject as completed
64. Add a date countdown for tasks with due dates
65. Apply styling to to-do-list
66. Using the countdown timers, implement the function to record the time spent on a task/subject
67. Create a page/area where the user can view the time spent on tasks/subjects
68. Allow the user to organise tasks/subjects based on time spent on tasks/subjects (lowest – highest)
69. Allow the user to organise tasks/subjects based on alphabetical order
70. Add styling to all pages
71. M: Validation complete
72. Ensure internal documentation is complete
73. M: Documentation complete
74. Design usability test plan
75. Conduct usability test plan
76. Analyse usability test plan
77. M: Testing complete
78. Make modifications to the solution from the testing
79. M: Coding complete
80. M: Development complete
81. Write an analysis of how the project plan helped, if it required adjusting and why
82. M: Evaluation complete