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| 1. | Introduction | Main body |
| 2. | Background |
| 3. | Approach (rename as **‘Specification and Design’**)  3.1 Overview  3.2 Project planning  3.3 Methodologies used  3.3.1 Software/prototype Approach  3.3.2 Research Approach (qualitative and/or quantitative approach)  3.4 Requirements Specification and Analysis  3.4.1 Functional Requirements  3.4.2 Non-functional Requirements  3.5 System Design  3.5.1 System Model (create a system model and class diagram)  3.5.2 Detailed Design  (create use case diagram, activity and sequence diagram in UML for at least one scenario within the project scope)  You can take help from this link on this section:  <https://pats.cs.cf.ac.uk/@archive_file?p=1167&n=final&f=1-report.pdf&SIG=95386d3b37583b733b181ab7265a022f8b3c47ba973f89295c7f8a2aca4761c4>  See an example of system model here: <https://ars.els-cdn.com/content/image/1-s2.0-S1532046413000373-gr1_lrg.jpg>  See an example of class diagram here: <https://www.visual-paradigm.com/guide/uml-unified-modeling-language/what-is-class-diagram/>  See an example of a use case diagram here:  <https://www.uml-diagrams.org/examples/online-shopping-use-case-diagram-example.html>  See an example of activity diagram here:  <https://www.tutorialspoint.com/uml/uml_activity_diagram.htm>  See an example of sequence diagram here: <https://www.lucidchart.com/pages/uml-sequence-diagram> |
| 4. | Implementation (rename as **‘Solution Idea and Implementation’)**  Discuss platform (OS, languages to be used etc.) and any tools to be used  Sub-parts of the tool with features and how did you implement it (with only key functionality and short code).  All snapshots/screenshots of the GUI/tool  All the actual coding will go to Appendix.  Key discussion – discuss what has worked for you and what not. |
| 5. | Results and Evaluation  5.1 Overview  5.2 Results -- Present your results in all possible manners.  5.3 Key discussion – discuss what the key findings are and what are still challenging to do.  5.4 Evaluation  5.4.1 Self-evaluation  5.4.2 Peer-evaluation  5.4.3 Expert evaluation  5.5 Testing and Validation (feasibility – to real work implementation and application, functional and non-functional - to the tool built in line with the requirement specification from section 3)  5.6 Achievement -- meeting initial objectives |
| 6. | Future Work |
| 7. | Conclusions |
| 8. | Reflection on Learning |
|  | Glossary | Support |
|  | Table of Abbreviations |
|  | Appendices |
|  | References |

Your supervisor and moderator will assess your final report according to the following criteria:

* Problem and background **[Introduction and Background sections]**
  + Understanding of the problem and the aims and objectives of the project **(cover under ‘introduction’)**
  + Awareness of background to the problem **(cover under ‘background’ section)**
  + Detailed analysis of the problem, suitability of approach towards solving the problem **(cover under background section)**

Wiki says “If you are implementing a piece of software the ‘Approach’ section above would be the ‘Specification and Design’.”

* Solution to the problem
  + Approach and design **[Rename as ‘Specification and Design’]**
  + Solution, implementation **[Rename as ‘Solution Idea and Implementation’]**
  + Use of and justification for appropriate tools/methods **(cover under ‘Approach’)**
* Evaluation
  + Testing and validation **(cover under ‘Results and Evaluation’)**
  + Critical appraisal of results **(cover under ‘Results and Evaluation’)**
  + Achievement of agreed overall deliverables given in initial plan for the final report (or a justified modification of these) **(cover under ‘Results and Evaluation’)**
* Communication and project management skills
  + Written (final report) and oral (viva) communication skills
  + Project planning, control and reflection
  + Interaction and work with supervisor
  + Review meetings, as specified in the initial plan

**Important note:** Every section should start with “Overview” subsection and end with “Summary” subsection.

Describe each your approach briefly, but is important to say, why did you chose this method/approach.

Create a 2-minute video of your project once you finish implementation and results.