# Software Development Unit 3-4 SAT Project Proposal

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Due \_\_\_\_\_\_\_\_\_\_\_\_

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| **THE PROJECT**  You will construct the framework (SRS) for the creation of a software solution that meets a need or opportunity you determine. This is the first part of a project, with the second part undertaken in Unit 4, Outcome 1.   1. **Identify** a real-world need or opportunity 2. **Analyse** a real-world need or opportunity you identified and create an SRS document (using a template we provide) containing    1. solution requirements (Functional and Non-Functional)    2. constraints    3. scope 3. Generate two or three different **design ideas** for creating your solution (we will study a variety of design and systems thinking skills). Your design ideas must include annotations to indicate key functions and layouts 4. Develop and apply **evaluation criteria** to select the preferred design idea. 5. Create a **complete design** for this preferred design idea. This will include the functionality and user interface of the solution. The evaluation criteria will be used in Unit 4 to evaluate the quality of this solution. 6. Prepare a **project plan**, taking into account all stages of the problem-solving methodology covered in this outcome and in Unit 4, Outcome 1 and determine the milestones of your project. |

Title of your project:

Brief description of the project:

Who you will contact to gather information for your project analysis?

Which of the following do you think you might need to incorporate into your solution. Please describe

* A set of **raw data** (ie a list)
* When would you need to **edit the data** in this list?
* When would you need to **add new data** to this list?
* When would you need to **delete** data from this list?
* **Extra sets of data**
* **Search** through your data
* **Sort** your data
* Produce **output** – printed or on screen eg a ticket, order form, or a sales summary