# Software Development Unit 3 SAT Project Proposal

Name: Zach Smith Due: 16**/3/2020**

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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: Staff login System

* Brief description of the project:

This program will be used for staff from a daycare center to track weather staff are present for the day of work tracking when they login. staff members will be able to login themselves using a username (there First and last name) and password or a RFID will be used this will only check the user in and out. there will also be an admin login that will be able to access the number of hours each staff member has done.

* **Who you will contact to gather information for your project analysis? If your contact is from an organisation, please include *name of organisation, contact’s job title.***

My Mum, she is the administration for the Monash Children’s Centre. A reference will Also be used is the login system on Vermont SC compass for student teachers.

**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 of data you would need to store)**Staff name, last name, set unique passwords or a RFID will be used, and hours done in the past week (Monday - Friday). A clock or timer will also be used to track hour done.
* **What data needs to be *stored* (versus just *calculated*/used and disposed of?)**

The number of hours done by a staff will be stored to display the hours done per day and calculated to display the hours done for the week

* **when you would need to *edit the data* in this list? And which user group?**If a staff member wanted to change their password due to security reasons
* **when you would need to *add new data* to this list? And which user group?**New data would need to be added if a new member is hired as a staff member
* **when would you need to *delete* data from this list? And which user group?**Data would have to be removed if a staff member was fired or left
* **Are there any *extra sets of data* (other than from the contact) is needed?**  
  A timer will have to be used to keep track of the days
* **how you would *search* through your data – what information would your users want?**Data would be put into a text file that would be accessed with a program that will require the admin login to assess data
* **how you would *sort* your data, based on what criteria/data?**the data can be sorted by name or by the hours done or it can be organized by part time and full-time members
* **What *output* is produced– printed or on screen eg a ticket, order form, or a sales summary, list…**

The data that is outputted is the hours done by each staff member, the hours done per day and week (Monday - Friday) will be able to be displayed