Name: Oliver Francis Patterson

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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. |

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| Title of your project: | Project Wyrmwraith |

Give a brief description of your project:

Project Wyrmwraith is a player character generator for the Pathfinder role-playing system based loosely on PCGen, a player character generator written in java.

Project Wyrmwraith is made primarily for players of the Pathfinder RPG system who would like a simpler way to complete Pathfinder character sheets. Project Wyrmwraith is a Player Character Generator that is compatible with PCGen. Unlike PCGen this program is built in Python but eventually will be rewritten in C or C++

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

Zoltan Ward, Paul Ferris and the development team for PCGen.

What are some of the functional and non-functional requirements you think you may need to incorporate into your project?

Functional Requirements:

Choose sources  
Create a campaign  
Save the campaign  
Load campaigns  
Create a character  
Save the character  
Load Characters

Non-functional Requirements:

Use Minimal Resources  
Easy to use  
Modular  
Robust  
Maintainable  
Portable