

## Project Bid

### CSCD350- Software Development Principles

**Team Name: Powerpuff Squirrels**

**Dated: 04/03/2024**

**Canvas Group number: 3**

Name	Email id	Project Experience	Programming Language used
Breeanna Lang	bjohnson32@ewu.edu	Algorithms, Design Patterns, Data Structures	Java, C, Python, R
Reed Hiland	whiland@ewu.edu	Architecture & Organization, Algorithms, Data Structures, Design Patterns	Java, C, Python
Jared Schimpf	jschimpf@ewu.edu	Algorithms, Design Patterns, Data Structures, Relational Database Systems	Java, Python, C
David Leap	dleap@ewu.edu	Machine Learning, Relational Database Systems, Data Analytics	Java, Python, C, SQL
Yonas Seyoum	yseyoum@ewu.edu	Relational Database Systems, Algorithms, Data Structure, Object Oriented Programming.	Java, C++, C, Python, SQL

**Choice of Projects (Brief 2–3-line description about the problem statement and type of project like a Mobile app/Webapp/Something else)**

**Project Choice 1(1<sup>st</sup> Preference):**

1. A reading list cataloging system that organizes books that a user has read along with their rating. We also would implement a book recommendation feature that pulls from books that have been read already and suggests ones that are similar.

**Project Choice 2(2<sup>nd</sup> Preference):**

1. A finance and budget desktop application that helps you organize expenses and income. This application would have features that would tell you when your next payments are, forecasting savings plans, etc.

**Project Choice 3(3<sup>rd</sup> Preference):**

1. A 2D dungeon-crawler style game that will either use a traditional GUI and will be developed using a package like Pygame or libGDX, or will have an ASCII style and will be developed via an ASCII library. Design elements will depend on this choice, with a simpler turn-based design if an ASCII style is chosen due to its inherent detail limits, or a more complex real-time gameplay loop if a more detailed style is chosen.

**Additional Remarks/ Inputs**

Please tell us about any other factors that we should take into consideration (e.g., if you really would like to work on a project for some particularly convincing reason).