***PENROSE***

***2025***

***PROGRAM***

# ***Technology Choice Explanation***

**PENROSE GRADUATE PROGRAM – TOWER OF HANOI GAME**

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**Document with the full project details – 25/03/2025**

For this project, I have chosen to use **HTML**, **CSS**, and **JavaScript** as my primary technologies for several reasons:

1. **Familiarity and Proficiency**: My skills are strongest in HTML, CSS, and JavaScript compared to other programming languages. I have developed a solid understanding of these technologies, which allows me to efficiently implement features and troubleshoot issues.
2. **Direct Representation of Skills**: This project showcases my proficiency in designing user interfaces and creating interactive web applications. HTML provides the structure, CSS offers styling, and JavaScript enables dynamic content and user interaction, allowing me to effectively demonstrate my capabilities.
3. **Local Development**: Given the current constraints of not being able to host the project online, using HTML, CSS, and JavaScript allows me to run the project locally using XAMPP. This setup is straightforward and enables me to showcase the project without requiring external hosting services.
4. **Web Standards**: HTML, CSS, and JavaScript are the foundational technologies for web development. They are widely supported across all browsers and devices, ensuring that the application will be accessible to users without compatibility issues.

# ***Instructions to Run the Application Locally***

To run the application locally using XAMPP, please follow these steps:

1. **Download and Install XAMPP**:
   * Visit the [XAMPP website](https://www.apachefriends.org/index.html) and download the version suitable for your operating system.
   * Install XAMPP following the provided instructions.
2. **Setup the Project**:
   * Create a new folder in the htdocs directory of your XAMPP installation (e.g., C:\xampp\htdocs\my-project).
   * Place all your project files (HTML, CSS, JavaScript) into this folder.
3. **Start XAMPP**:
   * Open the XAMPP Control Panel and start the **Apache** server.
4. **Access the Application**:
   * Open your web browser and navigate to http://localhost/my-project (replace my-project with the name of your folder).
5. **View the Application**:
   * You should now see your application running locally in the browser.

***GitHub Link:*** https://github.com/Ana3010Hankia/Penrose\_Towers\_of\_Hanoi/tree/main