### Hardware and Software Requirements

#### Requirement Analysis

The project involves designing applications with user-friendly navigation and minimal typing. The focus is on creating an intuitive interface and ensuring compatibility with most web browsers.

#### Requirement Specification

**Functional Requirements:**

* A graphical user interface (GUI) for user interaction.

**Software Requirements:**

1. **Python**
   * **Description:** Python is a high-level, interpreted programming language known for its readability and versatility. It supports multiple programming paradigms and is widely used in web development, data analysis, artificial intelligence, and more.
   * **Installation:**
     1. **Windows:**
        + Download the latest version from the [official Python website](https://www.python.org/downloads/).
        + Run the installer and follow the instructions, ensuring "Add Python to PATH" is checked.
        + Verify the installation by opening Command Prompt and typing:

sh

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python --version

* + 1. **macOS:**
       - Download the latest version from the [official Python website](https://www.python.org/downloads/).
       - Run the installer and follow the instructions.
       - Alternatively, use Homebrew:

sh

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brew install python

* + - * Verify the installation by opening Terminal and typing:

sh

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python3 --version

1. **Flask**
   * **Description:** Flask is a lightweight WSGI web application framework for Python. It is designed for simplicity and flexibility, allowing quick development of web applications. It provides the core essentials for web development and relies on extensions for additional features.
   * **Installation:**
     1. **Using pip:**
        + Ensure Python is installed.
        + Open a command line interface (Command Prompt, Terminal, etc.).
        + Install Flask using pip:

sh

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pip install Flask

* + 1. **Creating a Basic Flask Application:**
       - Create a new directory for your project and navigate into it.
       - Create a Python file (e.g., app.py) with the following code:

python

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from flask import Flask

app = Flask(\_\_name\_\_)

@app.route('/')

def hello\_world():

return 'Hello, World!'

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

* + - * Run the application by executing the Python file:

sh

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python app.py

* + - * Open your web browser and navigate to http://127.0.0.1:5000/ to see the "Hello, World!" message.

**Operating Systems Supported:**

* Windows 10 64-bit OS

**Technologies and Languages Used:**

* Python

**Debugger and Emulator:**

* Any web browser (particularly Chrome)

**Hardware Requirements:**

* **Processor:** Intel i9
* **RAM:** 32 GB
* **Hard Disk Space:** Minimum 1 TB