2 Installation Guide

2.1 Windows Installation guide for developers

2.2 System Requirements

2.2.1 Setting up your development environment

Install Python

1. There are various ways to install Python on your machine. This guide demonstrates one way, so for alternative solutions, please refer to: https://docs.python.org/3/using/windows.html

2. Navigate to https://python.org/downloads

3. Download the latest Python version by clicking the yellow button labelled "Download Python". This library requires Python 3.8.5 or higher.
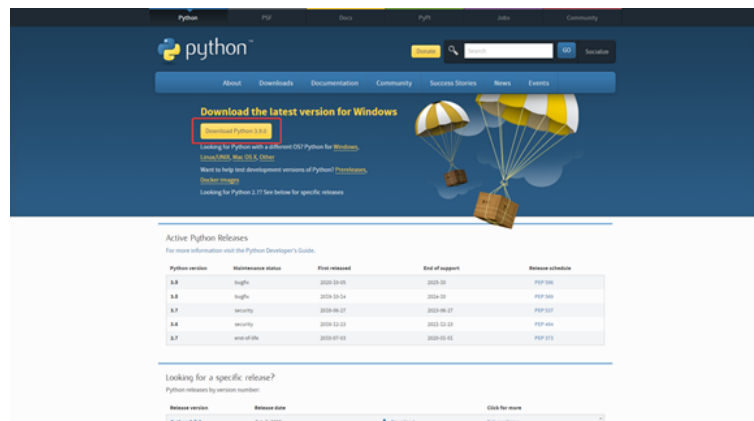

Figure 18: Python.org download

4. Make sure to check the box at the bottom labelled "Add Python to PATH" at the bottom before pressing "Install Now" so that you can run Python from the Windows command line.
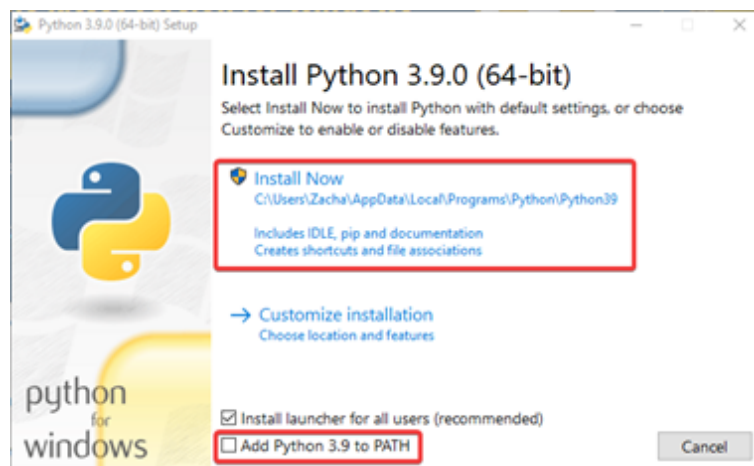

Figure 19: Add Python 3.9 to PATH

Install Git

1. Git installer can be downloaded at: https://git-scm.com/downloads
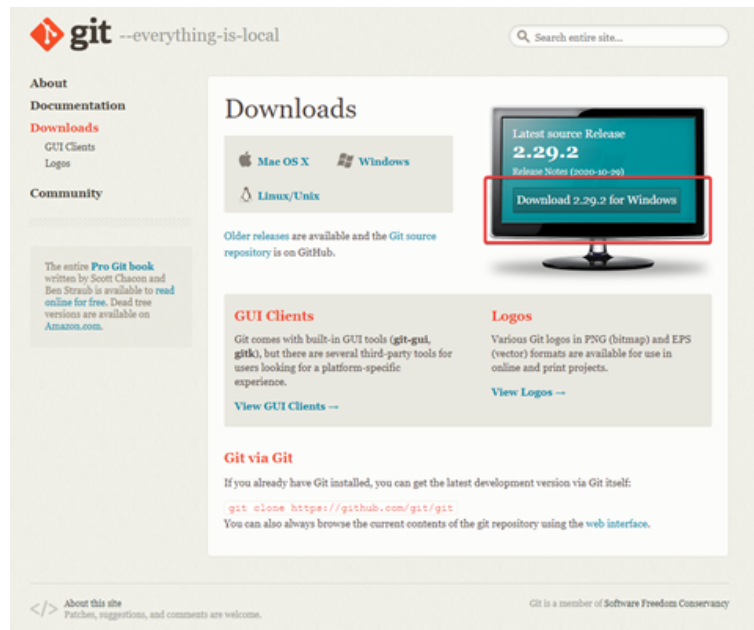

Figure 20: Git download

2. Navigate through the installer until installation is completed.

2.3 Setting up your virtual environment

Open the Windows command line and navigate to the directory you would like to install to repository.

```
cd path/to/directory
```

Clone the repository

```
git clone git@github.bath.ac.uk:hs706/DrillDungeonGame.git
```

Navigate to the created directory.

```
cd DrillDungeonGame
```

Make sure pip is up to date.

Windows:

```
py -m pip install --upgrade pip
```

Linux or macOS:

```
python3 -m pip install --user --upgrade pip
```

Install the virtual environment package to your base Python installation

Windows:

```
py -m pip install --user virtualenv
```

Linux or macOS:

```
python3 -m pip install --user virtualenv
```

Create a virtual environment

Windows:

```
py -m virtualenv -p py .venv
```

Linux or macOS:

```
python3 -m virtualenv .venv
```

Activating your virtual environment

Windows:

```
.\.venv\Scripts\activate
```

Linux or macOS:

```
source .venv/bin/activate
```

Installing requirements to your virtual environment

Windows:

```
py -m pip install -r requirements.txt
```

Linux or macOS:

```
python3 -m pip install -r requirements.txt
```

Running the game

Windows:

```
py main.py
```

Linux or macOS:

```
python3 main.py
```

Running the tests

Windows: