# Project Installation Guide

## Prerequisites

1. Python: Version 3.1 or later is recommended for compatibility.

2. Windows OS: The C++ application and Python scripts are built for Windows.

3. Compiler: For the C++ code, ensure you have a compiler like Visual Studio (2019 or later).

## Steps to Set Up the Project

### 1. Install Python

Download and install Python from https://www.python.org/downloads/.  
Ensure you check the option to add Python to your PATH during installation.  
Verify installation by running the following command in the command prompt:  
 python --version  
Ensure the version is 3.8 or later.

### 2. Install Required Python Packages

Open a command prompt and navigate to the project directory.  
Install dependencies using pip:  
 pip install -r requirements.txt

### 3. Prepare the Project Files

Place features.pkl and model.pkl in the same directory as virusChecker.py.  
Ensure all required files are in the correct structure:  
Project Directory:  
|-- HelloWindowsDesktop.cpp  
|-- virusChecker.py  
|-- features.pkl  
|-- model.pkl  
|-- requirements.txt

### 4. Compile the C++ Application

Open HelloWindowsDesktop.cpp in Visual Studio.  
Build the project using the "Release" configuration.

### 5. Run the Application

Launch the compiled C++ executable.  
Use the application's interface to scan files or folders.

## Contact

For further assistance, please contact :

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