**Disease Predictor: Installation and Setup Guide**

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**Introduction**

Disease Predictor is a web application that uses machine learning algorithms to predict diseases. This guide will walk you through the complete setup process, from installing prerequisites to running the application.

**System Requirements**

* Windows 10/11, macOS, or Linux operating system
* Minimum 4GB RAM (8GB recommended)
* Internet connection
* 10GB free disk space

**Installation Steps**

**1. Installing Git**

**Windows**

1. Visit <https://git-scm.com/downloads>
2. Click on "Windows"
3. The download will start automatically
4. Run the downloaded .exe file
5. During installation:
   * Accept the license agreement
   * Click "Next" for default installation location
   * Select default components
   * Select default start menu folder
   * Select your preferred editor (Notepad recommended for beginners)
   * Choose "Git from the command line and also from 3rd-party software"
   * Choose "Use the OpenSSL library"
   * Choose "Checkout Windows-style, commit Unix-style line endings"
   * Choose "Use Windows' default console window"
   * Click "Install"

**2. Installing Docker Desktop**

1. Visit <https://www.docker.com/products/docker-desktop/>
2. Download Docker Desktop for your operating system
3. Run the installer
4. Follow the installation wizard
5. Restart your computer after installation
6. Open Docker Desktop to verify installation

**3. Verifying Installations**

Open Command Prompt (Windows) or Terminal (macOS/Linux) and run:

* git --version
* docker --version

You should see version numbers displayed for both commands.

**Project Setup**

**1. Creating a Project Directory**

1. Open Command Prompt/Terminal
2. Navigate to where you want to store the project:

*# Windows example*

cd C:\Projects

*# macOS/Linux example*

cd ~/Projects

**2. Cloning the Repository**

1. Clone the project:

* git clone https://github.com/Aidwise-Demo/Docker-Disease-Prediction.git

1. Navigate to the project directory:

* cd Docker-Disease-Prediction

**Running the Application**

**1. Starting Docker Desktop**

1. Open Docker Desktop
2. Wait until Docker Desktop shows "Docker is running" status

**2. Building and Running the Application**

1. In Command Prompt/Terminal, ensure you're in the project directory
2. Run the following command:

* docker-compose up --build

1. Wait until you see messages indicating both frontend and backend services are running
   * This might take 5-10 minutes on first run

**3. Accessing the Application**

1. Open your web browser
2. For frontend access:
   * Visit: <http://localhost:5173>
3. For backend access:
   * Visit: <http://localhost:8000>