

# Git Repository Analysis Tool - Setup Guide

## Pre-requisites

- Install Git
- Install Node.js

## Installation Steps

### Step 1: Clone the Repository

- Open your terminal or command prompt and run:  
```\n\ngit clone https://github.com/vishalch4466/gitccc232.git\n```\n

### Step 2: Open Project in Visual Studio Code

- Launch Visual Studio Code
- Open the cloned project folder

### Step 3: Install Dependencies

- Open two separate terminals in VS Code:
  1. For Frontend (gitchecker):  
```\n\ncd gitccc/gitchecker\nnpm install\n```\n
  2. For Backend (gitclient):  
```\n\ncd gitccc/gitclient\nnpm install\n```\n

### Step 4: Start the Application

1. Frontend (gitchecker):  
```\n\ncd gitchecker\nnpm run dev\n```\n
2. Backend (gitclient):  
```\n\ncd gitclient\nnode app.js\n```\n

### **Step 5: Access the Application**

- Click on the HTTP link displayed in the gitchecker terminal
- The link will typically look like ``http://localhost:XXXX``

### **Step 6: Analyze a Git Repository**

- Paste a Git repository URL into the input field
- Example: ``https://github.com/facebook/react.git``
- View repository analysis through various charts and visualizations

### **Troubleshooting**

- Ensure all pre-requisites are installed
- Verify both frontend and backend servers are running
- Check terminal for any error messages