# User Guide for Running and Testing the Application

## Prerequisites:

Node.js (latest version)

## Steps to Perform:

### 1. Download and Extract the Project

Download the project files from the provided source.  
Extract the files to a suitable location on your computer.

### 2. Setting Up the Backend API

1. Open a terminal.  
2. Navigate to the api folder of the project.

cd path/to/project/api

3. Install the necessary Node modules using:

npm install

4. Start the backend server:

npm start

You should see the following message confirming the API is running:

> start  
> node server.js  
  
Backend API running on http://0.0.0.0:3001

### 3. Setting Up the Client

1. Open another terminal.  
2. Navigate to the client folder of the project.

cd path/to/project/client

3. Install the necessary Node modules using:

npm install

4. In the .env file, change the IP in the URL:

REACT\_APP\_API\_BASE\_URL=http://192.168.0.165:3001/api  
  
with your IP address.

To know your IP address:  
- Use ifconfig for Ubuntu  
- Use ipconfig for Windows

5. Start the client application:

npm start

On successful running of the app, you should see something like this:

> client@0.1.0 start  
> react-scripts start  
  
Compiled successfully!  
  
You can now view client in the browser.  
  
Local: http://localhost:3000  
On Your Network: http://192.168.56.1:3000

### 4. Testing the Application

1. Test the application by browsing the URL.  
2. Add, edit, and delete a product. Ensure there are no products left after testing.

### 5. API Testing

1. Open React API test and add the API URL in the URL tag.  
2. Click on "Run" and then "Evaluate".  
3. Ensure you see a "4 test passed" message with a score of 100.

### 6. UI Testing

1. Open UI Testing activity in Tessellator and add the client URL in the URL tag.  
2. Click on "Run" and then "Evaluate".  
3. Ensure you see a "3 test passed" message with a score of 100.

Tessellator URL: http://10.11.51.100