

# Pace Marketplace

Application Setup and User Guide

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# Set Up the Environment

## Install NodeJS and NPM

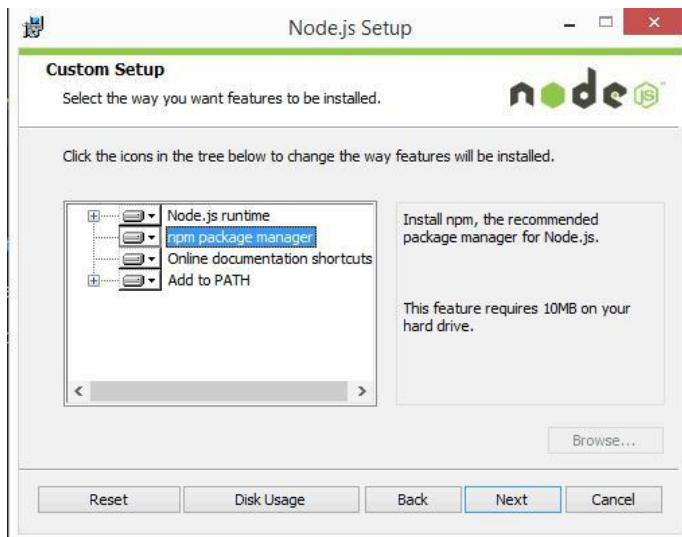
Installing Node and NPM is using the installer package available from the Node.js® web site.

### Installation Steps

1. Download the installer from the [Nodes.js® web site](https://nodejs.org/en/) for your operating system.



2. Run the installer (the file you downloaded in the previous step.)
3. Follow the prompts in the installer (Accept the license agreement, click the NEXT button and accept the default installation).



4. Restart your computer. (Recommended).

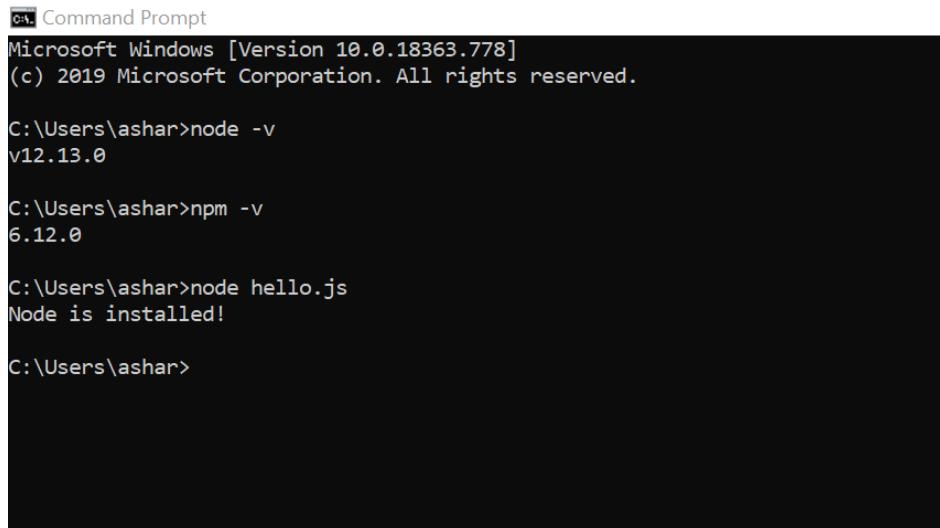
## Test NodeJS and NPM

Make sure you have Node and NPM installed by running simple commands to see what version of each is installed and to run a simple test program:

- **Test Node.** To see if Node is installed, open the Windows Command Prompt, Powershell or a similar command line tool, and type `node -v`. This should print a version number, so you'll see something like this v14.2.0 if you installed the latest version. In my case it is v12.13.0.  
Recommended version is v12 or above

- **Test NPM.** To see if NPM is installed, type `npm -v` in Terminal. This should print NPM's version number, so you'll see something like this 6.5.2

**Create a test file and run it.** A simple way to test that node.js works is to create a JavaScript file: name it `hello.js`, and just add the code `console.log ('Node is installed!')`. To run the code simply open your command line program, navigate to the folder where you save the file and type `node hello.js`. This will start Node and run the code in the `hello.js` file. You should see the output Node is installed!



```
Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.

C:\Users\ashar>node -v
v12.13.0

C:\Users\ashar>npm -v
6.12.0

C:\Users\ashar>node hello.js
Node is installed!

C:\Users\ashar>
```

## Install WebStorm for Angular

(Note: You can also use VS code instead. VS code installation steps are after the WebStorm installation guide)

1. Download the installer from <https://www.jetbrains.com/help/webstorm/installation-guide.html>.

Provides one with all the version compatible with Windows, macOS and Linux.

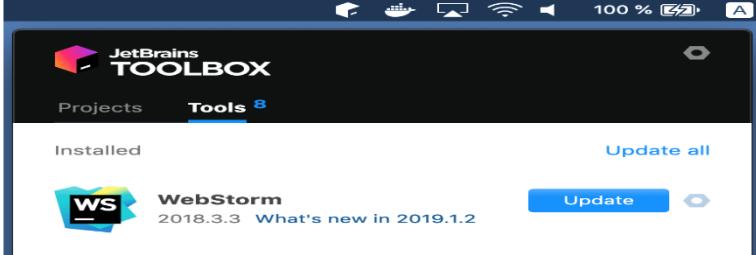
Windows    **macOS**    Linux

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### Install the Toolbox App

1. Download the disk image [.dmg](#) from the [Toolbox App web page](#).
2. Mount the image and drag the **JetBrains Toolbox** app to the [Applications](#) folder.

After you run the Toolbox App, click its icon in the main menu and select which product and version you want to install.



2. Run the installer (the file you downloaded in the previous step.)

## Install Visual Studio Code

Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages (such as C++, C#, Java, Python, PHP, Go).

1. Downloading Visual Studio Code is simple. You just need to [head to this webpage](#) and choose the package that matches your needs and requirements.

### Download Visual Studio Code

Free and open source. Integrated Git, debugging and extensions.



 <a href="#">Windows</a> Windows 7, 8, 10 .zip   32 bit versions	 <a href="#">.deb</a> Debian, Ubuntu .tar.gz   32 bit versions	 <a href="#">.rpm</a> Red Hat, Fedora, SUSE .tar.gz   32 bit versions	 <a href="#">Mac</a> macOS 10.9+ .tar.gz   32 bit versions
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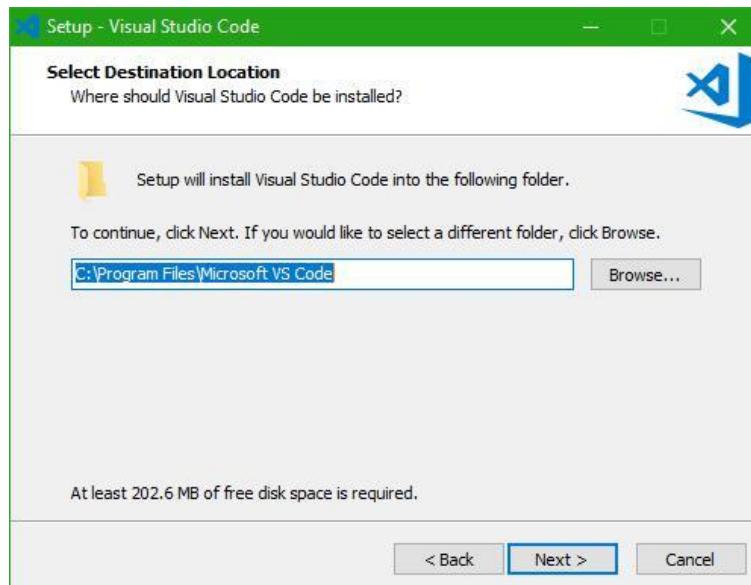
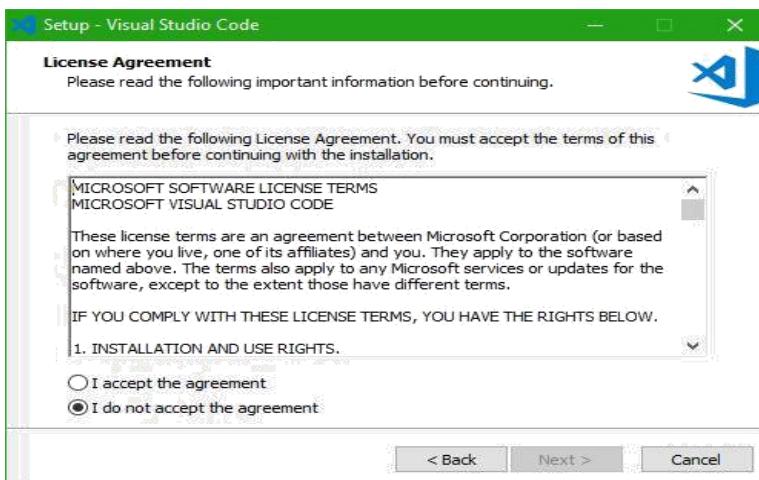
By downloading and using Visual Studio Code, you agree to the license terms and [privacy statement](#).

2. Once it is downloaded, run the installer (VSCodeUserSetup-{version}.exe). This will only take a minute.

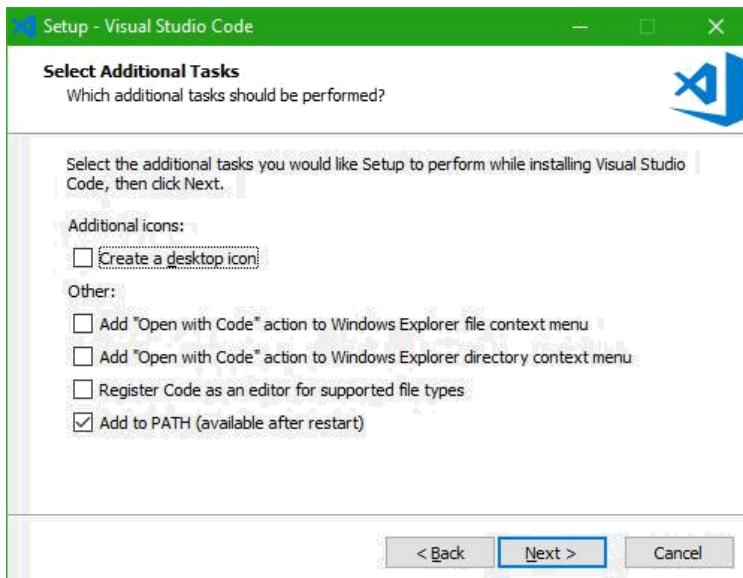
3. For Windows system, Click on Next.



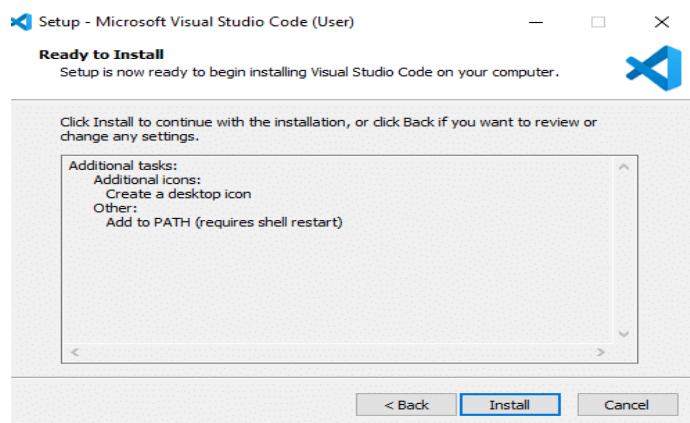
4. Click on the I accept the agreement radio button and then hit Next and Next again and again.



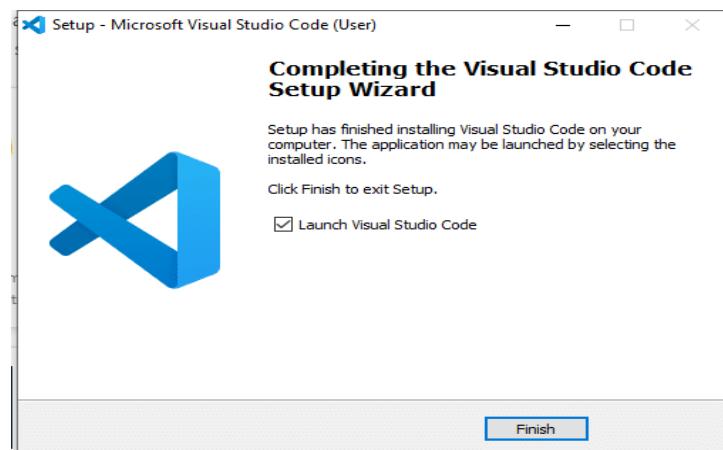
5. In the following window, check “Add to PATH (available after restart)”

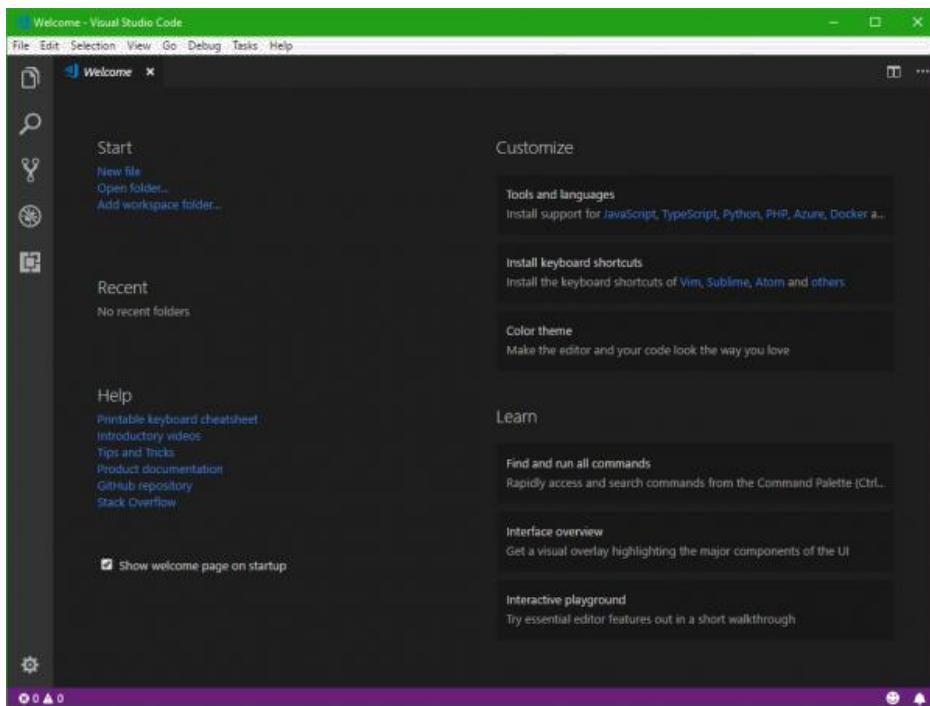


6. After that, click on the install button.



7. Finally, after installation completes, click on the finish button, and the visual studio code will get open.





## Setup MySQL

### Installation

#### *On Windows*

1. Download the MySQL Installer from <https://dev.mysql.com/downloads/installer/>. The two download options are a web-community version and a full version. The web-community version will only download the server, by default, but you can select other applications (like Workbench) as desired. The full installer will download the server and all the recommended additional applications. (You'll also be asked to create a user account, but you skip this part by scrolling down to the bottom and clicking "No thanks, just start my download".)

← → ⌛ dev.mysql.com/downloads/installer/

[General Availability \(GA\) Releases](#) [Archives](#) [?](#)

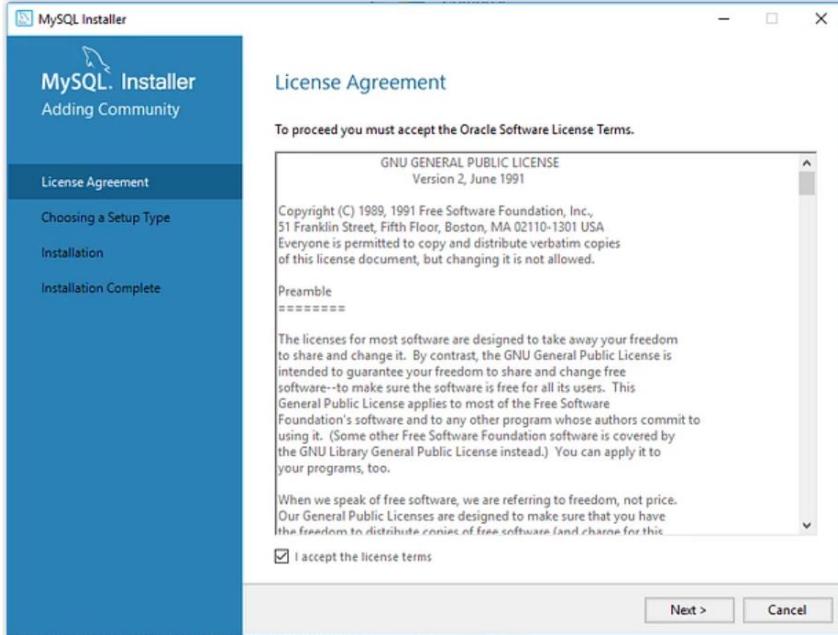
### MySQL Installer 8.0.20

Select Operating System: [Microsoft Windows](#) [Looking for previous GA versions?](#)

Windows (x86, 32-bit), MSI Installer	8.0.20	24.4M	<a href="#">Download</a>
(mysql-installer-web-community-8.0.20.0.msi)			MD5: 26ae47807122bf0052b99ebf893bdac   Signature
Windows (x86, 32-bit), MSI Installer	8.0.20	420.6M	<a href="#">Download</a>
(mysql-installer-community-8.0.20.0.msi)			MD5: a69c77fe737654d8931079b4623b9e1a   Signature

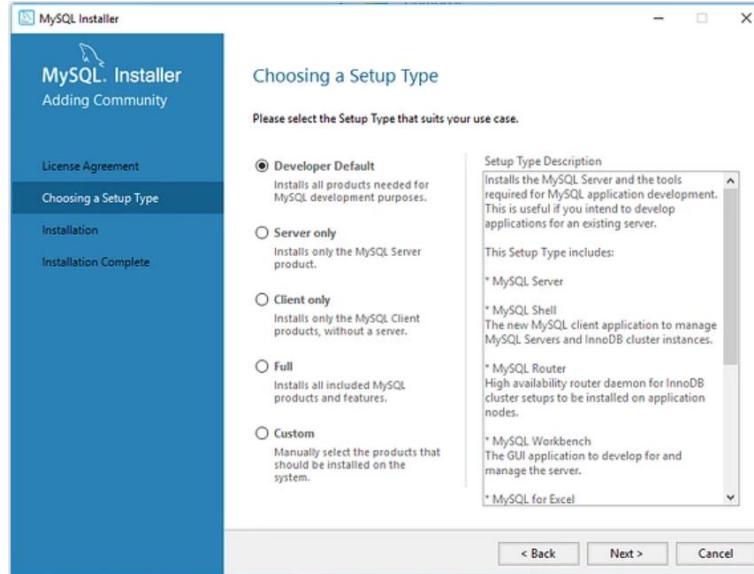
**!** We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

- Run the installer that you downloaded from its location on your server, generally by double-clicking.



- Select the setup type.

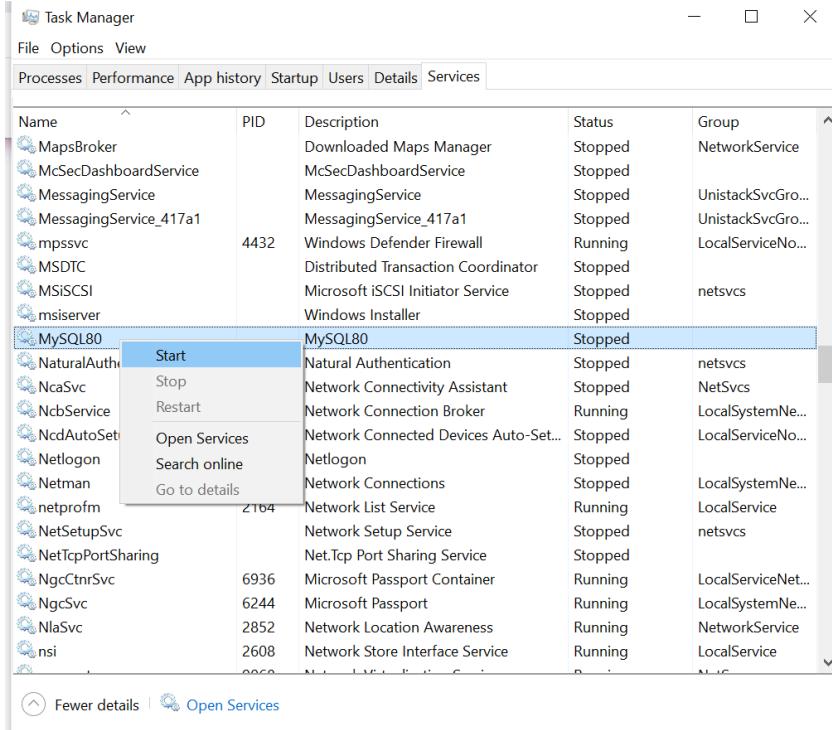
**Developer Default:** this is the full installation of MySQL Server and the other tools needed for development. If you are building your database from the ground up or will be managing the data directly in the database, you'll want to use this setup type. This is required for this project



- Install the server instance and whichever additional products you selected. Then begin the configuration process by selecting the availability level (most users will use the default, standalone version).
- Complete the configuration process by following the on-screen instructions. You'll want to make sure to install MySQL as a Service so that Windows can automatically start the service after a reboot or can restart the service if it fails. For additional, step-by-step instructions, see [MySQL Server Configuration with MySQL Installer](#).

## Starting MySQL Service on Windows

- Start MySQL service by going to Task Manager and go to Service tab and look for MySQL. Right Click and click on start



## Setting up Database for the project

- Open MySQL workbench and run the following script. This will set up the database along with some test data to get started.

<https://github.com/ravitejagrt/pmp-api/blob/master/schema.sql>

## Install Python

### On Windows

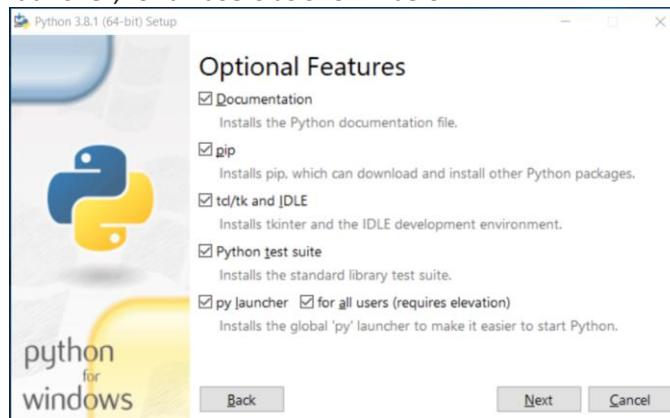
- Open a browser window and navigate to the [Download page for Windows](#) at [python.org](http://python.org).
- Underneath the heading at the top that says **Python Releases for Windows**, click on the link for the **Latest Python 3 Release - Python 3.x.x**. (As of this writing, the latest is Python 3.8.2.)
- Scroll to the bottom and select either **Windows x86-64 executable installer** for 64-bit or **Windows x86 executable installer** for 32-bit. (See below.)

The screenshot shows the Python Releases for Windows page. It has two main sections: 'Stable Releases' and 'Pre-releases'. The 'Stable Releases' section lists 'Python 3.8.3rc1 - April 29, 2020' and 'Python 2.7.18 - April 20, 2020'. The 'Pre-releases' section lists 'Python 3.9.0a5 - April 28, 2020'. Each release has a list of download links for various file types.

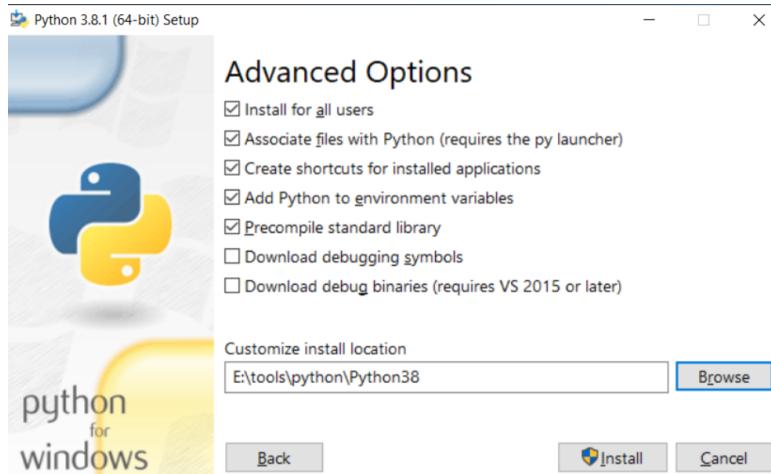
4. After completing the download, double click the installer to start the installation. The welcome screen shows the default installation location and provides options to Install the launcher for all users and to add Python 3.8 to the system path as shown below  
Make sure to select “ADD Python 3.8 to PATH”



5. After checking the checkboxes for Launcher and System Path, I have clicked the Customize installation Link to choose the installation components and to change the installation path. It shows the components including Documentation, pip, tcl/tk and IDLE, Python test suite, py launcher, for all users as shown below:



6. Click the Next Button to choose Advanced Options as shown below:



7. Then just click Install Now and you should have a working Python 3 on your system.



8. When the installation is finished, you can confirm the installation by opening up Command Prompt and typing the following command:

```
cmd Command Prompt
Microsoft Windows [Version 10.0.18363.778]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\ashar>python -V
Python 3.8.1

C:\Users\ashar>
```

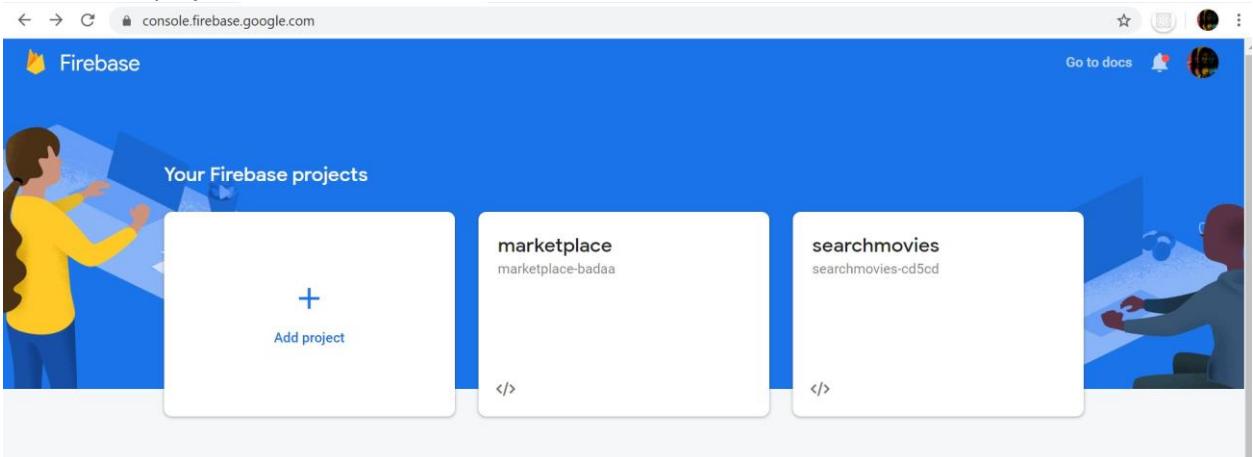
## Setup Firebase Project

Before we can run our application this is the final setup that is required. We have setup our authentication system with help of Google's Firebase API.

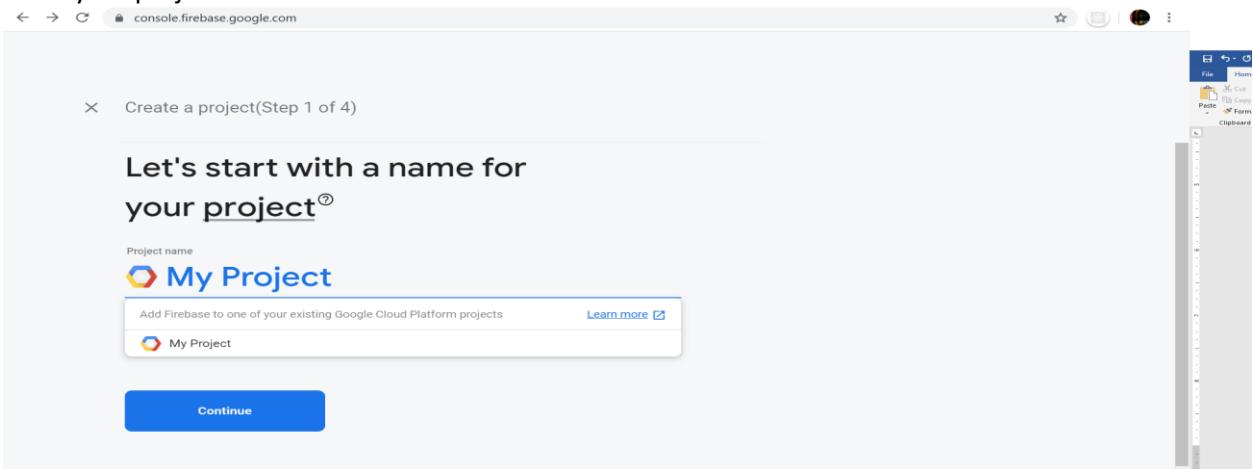
### Adding a Project

1. Go to [console.firebaseio.google.com](https://console.firebaseio.google.com) to add a project.

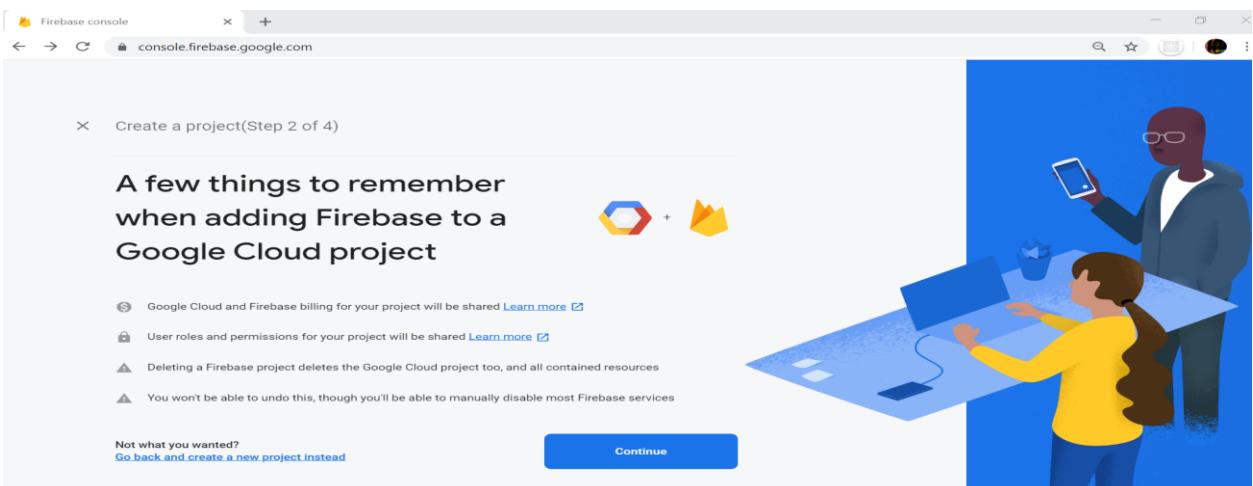
2. Click on add project



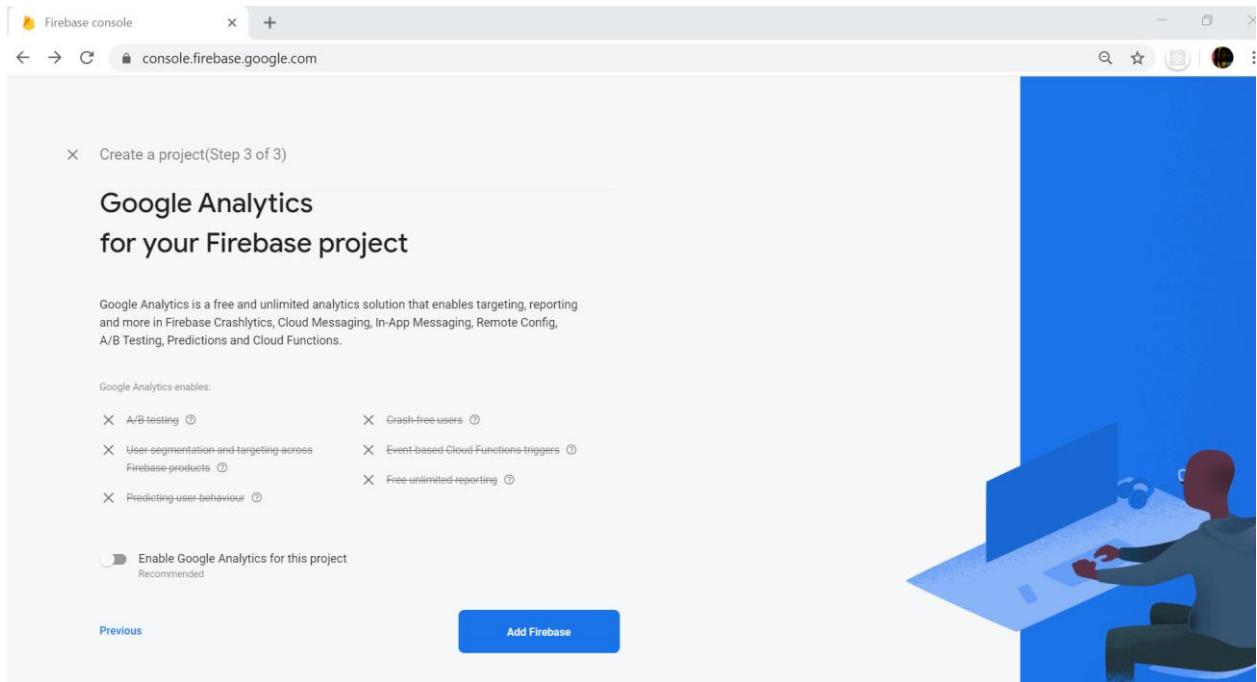
3. Enter your project Name



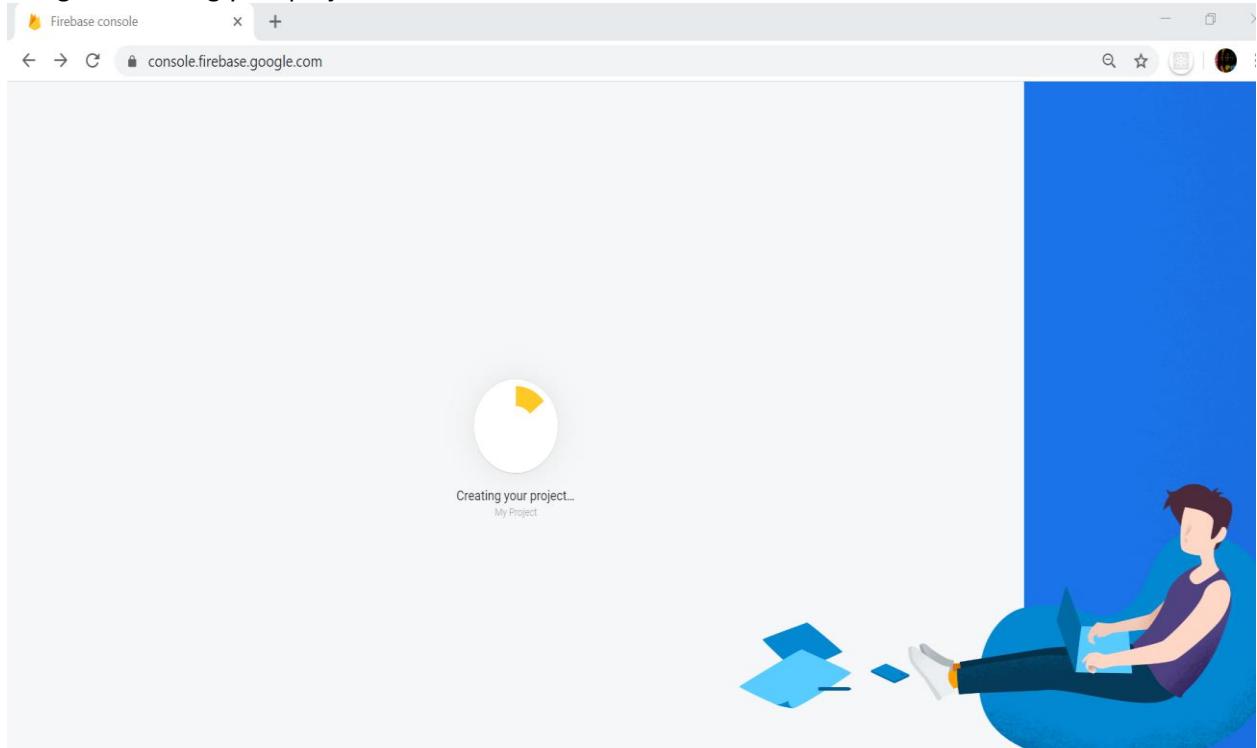
4. Click on continue



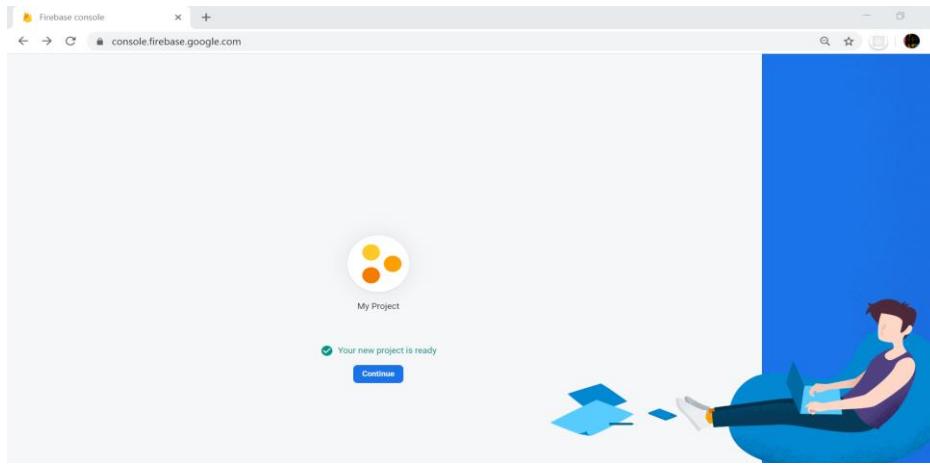
5. Google by default enables Analytics on your project, you can disable it before continuing. And then click on Add Firebase



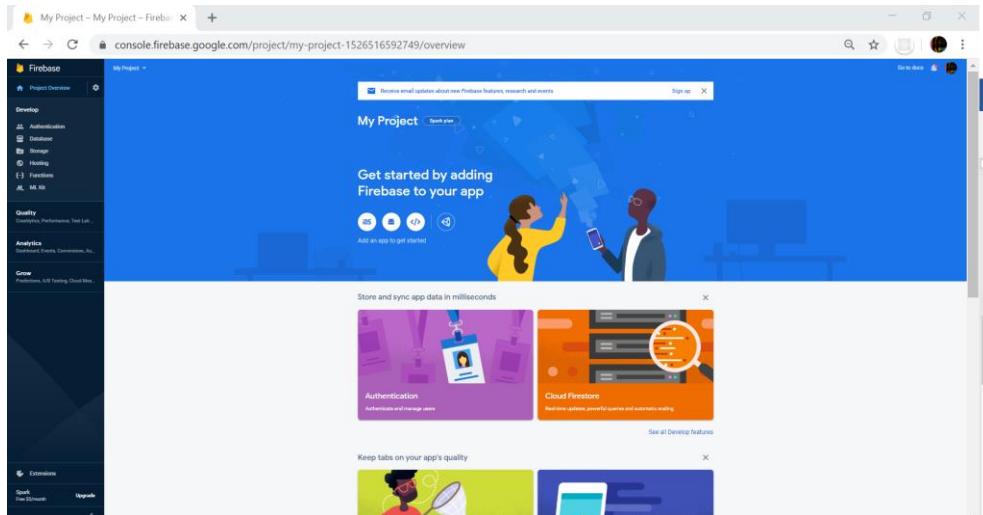
6. Google is creating your project



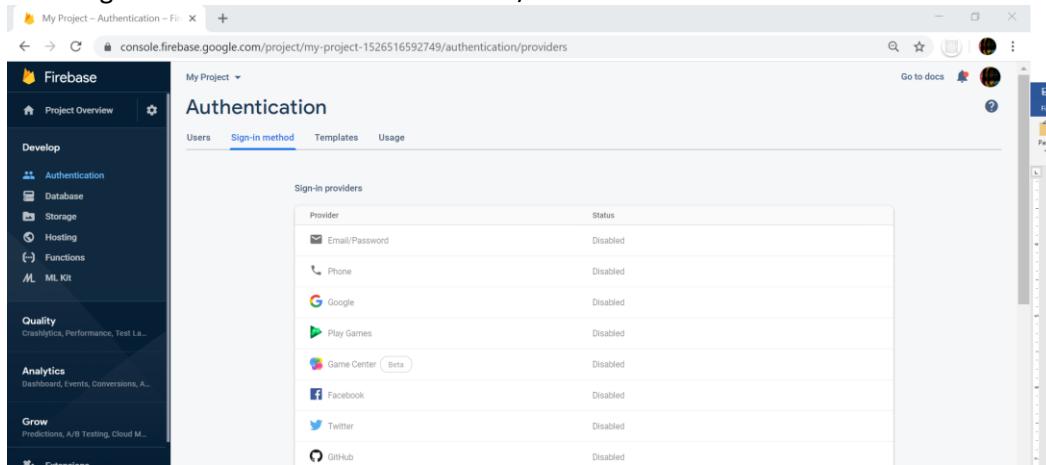
7. Your new project is ready and click on continue



8. You will be redirected to your project's overview page. Click on Authentication (if you can see it on the front page, you can locate it on the left hand side menu)



9. Go to Sign-in method tab and enable Email/Password and save



10. As show below click on settings icon beside Project Overview and click on Project Settings and scroll down to Your Apps.

The screenshot shows the left sidebar of the Firebase console with various services listed: Authentication, Database, Storage, Hosting, Functions, ML Kit, Quality, Analytics, Grow, Extensions, and Spark. A red box highlights the 'Project settings' link under the 'My Project' dropdown menu. The main content area displays 'Sign-in providers' with a table showing provider names like Email/Password, Phone, Google, etc., and their status (Enabled or Disabled). A blue bar at the top indicates the current section: 'Authentication'.

11. In You Apps section click on the icon </> as highlighted below to add Firebase to your application

The screenshot shows the 'Settings' tab of the Firebase project. The left sidebar remains the same. The main area is titled 'Your apps' and contains the message 'There are no apps in your project'. Below this, it says 'Select a platform to get started' and shows icons for iOS, Android, and a browser. A red box highlights the '</>' icon next to the browser icon. A large red box encloses the entire 'Your apps' section.

12. Click on Register app

The screenshot shows the 'Add Firebase to your web app' wizard. Step 1: Register app. It asks for an 'App nickname' (MyProject) and has a checkbox for 'Also set up Firebase Hosting for this app'. A 'Register app' button is present. Step 2: Add Firebase SDK is partially visible below. A red box highlights the 'Register app' button.

13. You will get firebaseConfig as shown below, keep note of it we will need it later.

```

<!-- The core Firebase JS SDK is always required and must be listed first -->
<script src="https://www.gstatic.com/firebasejs/7.14.3/firebase-app.js"></script>

<!-- TODO: Add SDKs for Firebase products that you want to use
      https://firebase.google.com/docs/web/setup#available-libraries -->

<script>
  // Your web app's Firebase configuration
  var firebaseConfig = {
    apiKey: "AIzaSyCwD...",
    authDomain: "my-project-1526516592749.firebaseio.com",
    databaseURL: "https://my-project-1526516592749.firebaseio.com",
    projectId: "my-project-1526516592749",
    storageBucket: "my-project-1526516592749.appspot.com",
    messagingSenderId: "436390878356",
    appId: "1:436390878356:web:4dd599c69d3afc6aa5a881"
  };
  // Initialize Firebase
  firebase.initializeApp(firebaseConfig);
</script>

```

Learn more about Firebase for web: [Get started](#), [Web SDK API reference](#), [Samples](#)

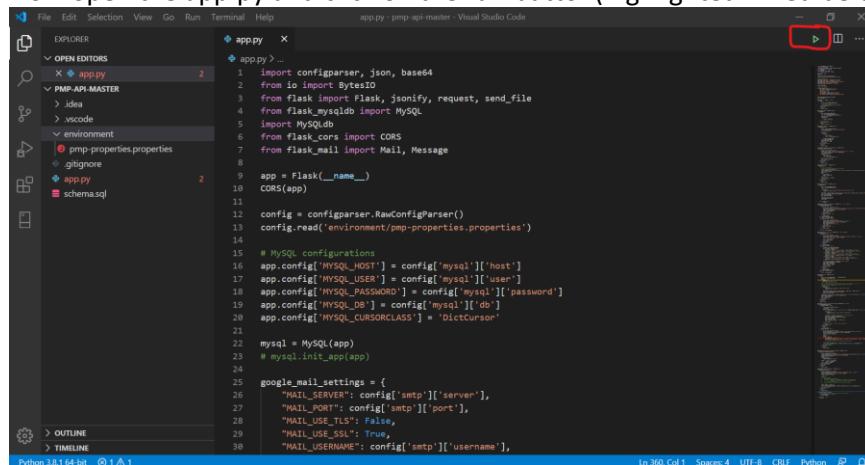
[Continue to the console](#)

## Starting the Application

### Running API

- Download API code from <https://github.com/ravitejagrt/pmp-api> and save in a folder.  
OR you can also clone the project if you have git bash using the following command: `git clone https://github.com/ravitejagrt/pmp-api`
- Open the project folder where you just downloaded or cloned the API in VS code.  
Open pmp-properties.properties, it is a config file that contains configuration details of database and gmail. You need to enter the details as directed in the file.

Now open the app.py and click on the run button (highlighted in red below) to run the API

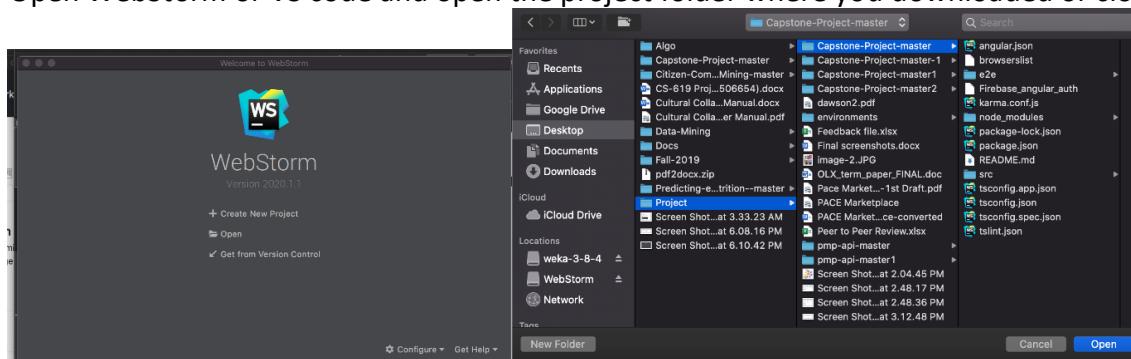


## Run User Interface

1. Download Project code from <https://github.com/meghagodwal/Capstone-Project> and save in a folder. OR you can also clone the project if you have git bash using the following command: `git clone https://github.com/meghagodwal/Capstone-Project`
2. Before moving forward, go to the folder where you just downloaded the project and open src folder. In src folder create a folder name environments. Inside the environments folder create a file named environment.ts. Edit this file and paste the following content in it and then save the file. It is important that you follow this step carefully.

```
export const environment = {
  production: false,
  firebase: {
    //Remember the firebaseConfig that we got earlier, paste the content of
    firebaseConfig here },
    api: 'http://127.0.0.1:5000'
};
```

3. Open WebStorm or VS code and open the project folder where you downloaded or cloned



4. After loading the project, run `npm install` in Web Strom Terminal.

```
Terminal: Local +  
To update your account to use zsh, please run `chsh -s /bin/zsh`.  
For more details, please visit https://support.apple.com/kb/HT208859.  
Attenders-Air:Capstone-Project-master apsingh$ npm install  
> fsevents@1.2.11 install /Users/apsingh/Desktop/Project/Capstone-Project-master/node_modules/watchpack/node_modules/fsevents  
> node-gyp rebuild  
  
  SOLINK_MODULE(target) Release/.node  
  CXX(target) Release/obj.target/fsevents.o
```

5. If npm install throws error, run command `npm audit fix`.

```
Terminal: Local +  
found 9 low severity vulnerabilities  
  run `npm audit fix` to fix them, or `npm audit` for details  
  
          npm update check failed  
          Try running with sudo or get access  
          to the local update config store via  
          sudo chown -R $USER:$(id -gn $USER) /Users/apsingh/.config  
  
Attenders-Air:Capstone-Project-master apsingh$ npm audit fix
```

6. Running serve command in WebStorm terminal. It will compile the data and runs the program.

7. After successful compilation, click on the localhost link.

```
Terminal: Local × +  
chunk {main} main.js, main.js.map (main) 219 kB [initial] [rendered]  
chunk {polyfills} polyfills.js, polyfills.js.map (polyfills) 158 kB [initial] [rendered]  
chunk {runtime} runtime.js, runtime.js.map (runtime) 6.15 kB [entry] [rendered]  
chunk {scripts} scripts.js, scripts.js.map (scripts) 340 kB [entry] [rendered]  
chunk {styles} styles.js, styles.js.map (styles) 1.19 MB [initial] [rendered]  
chunk {vendor} vendor.js, vendor.js.map (vendor) 5.45 MB [initial] [rendered]  
Date: 2020-05-13T22:23:25.531Z - Hash: cff98343c0b981157ca9 - Time: 14884ms  
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200 **  
: Compiled successfully.  
|
```

## Using the Application

## 1. Pace Market Place Application front page.

Pace Marketplace

localhost:4200/home

Already have an account?

**Sign In**

Email

Password

**Log In**

**Forgot Password?** [Click here](#)

New User?

**Sign Up**

First Name

Last Name

Email Address

We'll never share your email with anyone else.

Password

Confirm Password

**Sign Up**

© JAMMR 2020

2. Now you can signup and login to the application.

3. When there are no errors on the form as show above and you are able to successfully sign up, you will get a verification mail to verify your email address.

4. Once you login you will see a dashboard page. You can click on a product to see the product details.

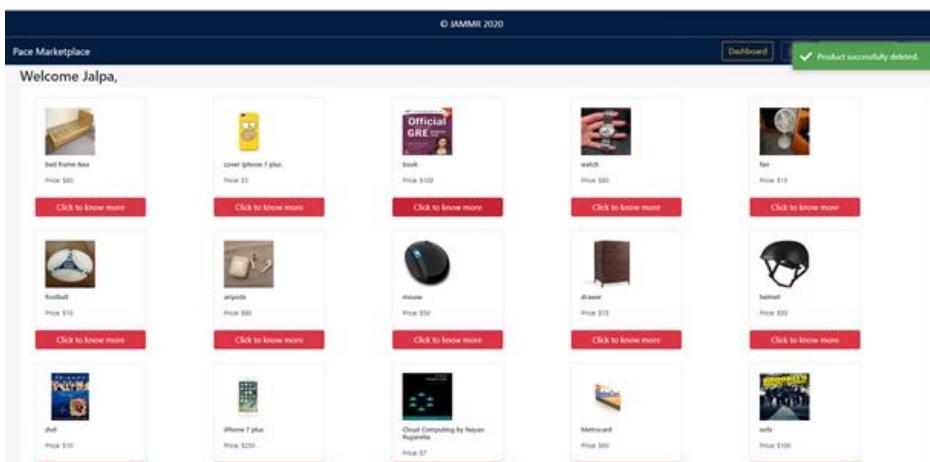
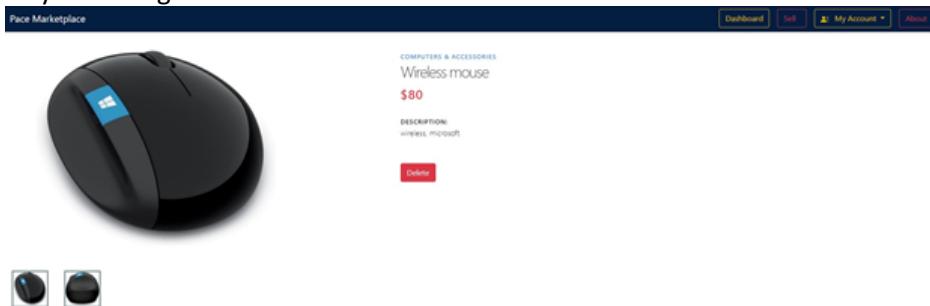
The screenshot shows a dashboard titled "Pace Marketplace" with a welcome message "Welcome Jalpa,". The interface includes navigation tabs for "Dashboard", "Sell", "My Account", and "About". Below the header, there is a grid of product cards. Each card displays an image of the item, its name, price, and a red "Click to know more" button. The products listed include a bed frame (IKEA), a yellow cover for an iPhone 7 plus, an Official GRE book, a black watch, a brown fan, a football, a pair of white airpods, a black mouse, a dark wooden drawer unit, and a black helmet. At the bottom right of the grid, there are buttons for "Whiteboard", "Fullscreen snip", and an ellipsis (...).

5. On products page you can contact the seller by clicking on “Contact Seller” button and an email will be sent to the user who has posted that listing.

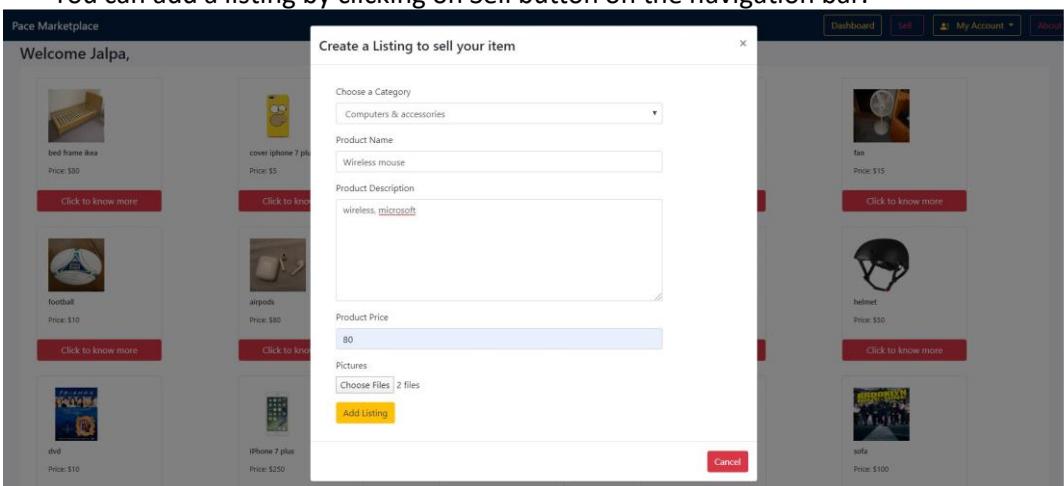
The screenshot shows a product details page for "Cloud Computing" by Nayan Ruparelia. The top navigation bar includes "Dashboard", "Sell", "My Account", and "About". The main content area features the book cover for "Cloud Computing" by Nayan Ruparelia, which is part of "THE MIT PRESS ESSENTIAL KNOWLEDGE SERIES". The book cover shows a network of clouds and icons. To the right of the cover, the category "BOOKS & STUDY MATERIAL" is listed, the price is \$7, and the description notes "No marks, like new.". A yellow "Click to contact the seller" button is present. At the bottom of the page, there is a footer with the text "© JAMMR 2020".

This screenshot shows the same product details page for "Cloud Computing" by Nayan Ruparelia. The "Click to contact the seller" button has been clicked, and a message box appears stating: "Email has been sent to the seller regarding your interest. Hold back and sit tight for a response from user. Keep checking your email." The rest of the page remains the same, including the book cover, category, price, and description.

6. If you are the publisher of the listing then you will see a delete button just in case if you want to delete your listing.



7. You can add a listing by clicking on Sell button on the navigation bar.



Welcome **Jalpa**,

The dashboard displays a grid of 20 items for sale:

- Row 1: Wireless mouse (Price: \$80), bed frame (Price: \$80), cover (iPhone 7 plus) (Price: \$5), book (Official GRE) (Price: \$100), watch (Price: \$80)
- Row 2: fan (Price: \$15), football (Price: \$10), airpods (Price: \$80), mouse (Price: \$50), drawer (Price: \$15)
- Row 3: helmet (Price: \$50), dvd (Price: \$10), iPhone 7 plus (Price: \$250), Cloud Computing by Nayan Ruparela (Price: \$7), Metrocard (Price: \$40)

Each item has a "Click to know more" button.

8. You can also view and edit your profile information and password.

**User Profile**

**Hello: Jalpa**  
Email: ja57884n@pace.edu

[Change Password](#)

**Contact Information**

FirstName: Jalpa [Edit](#)

LastName: Ashara [Edit](#)

Phone: [Edit](#)

**User Profile**

**Hello: Jalpa**  
Email: ja57884n@pace.edu

[Change Password](#)

**Contact Information**

FirstName: Jalpa [Edit](#)

LastName: Ashara [Edit](#)

Phone: [Edit](#)

1234567890

[Update](#) [Cancel](#)

Pace Marketplace

User Profile

Log out

## User Profile

Hello: Jalpa

Email: ja57884n@pace.edu

Change Password

Contact Information

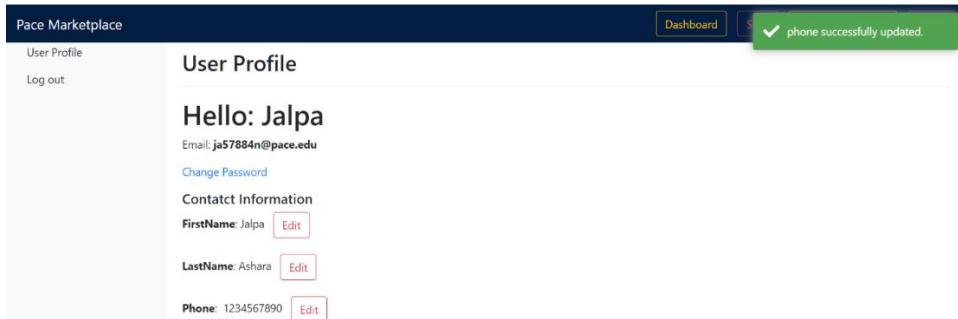
FirstName: Jalpa [Edit](#)

LastName: Ashara [Edit](#)

Phone: 1234567890 [Edit](#)

Dashboard Sell My Account About

✓ phone successfully updated.



© JAMMR 2020

Pace Marketplace

## Change Password

Please enter your email address to request a password change.

Enter New Password

Save Go Back

Dashboard Sell My Account About



localhost:4200/home

localhost:4200 says Password successfully changed.

OK

Assignments, Labs... Other bookmarks About

Pace Marketplace

Already have an account?

### Sign In

Email

Password

[Log In](#)

Forgot Password? [Click here](#)

### Sign Up

First Name  Last Name

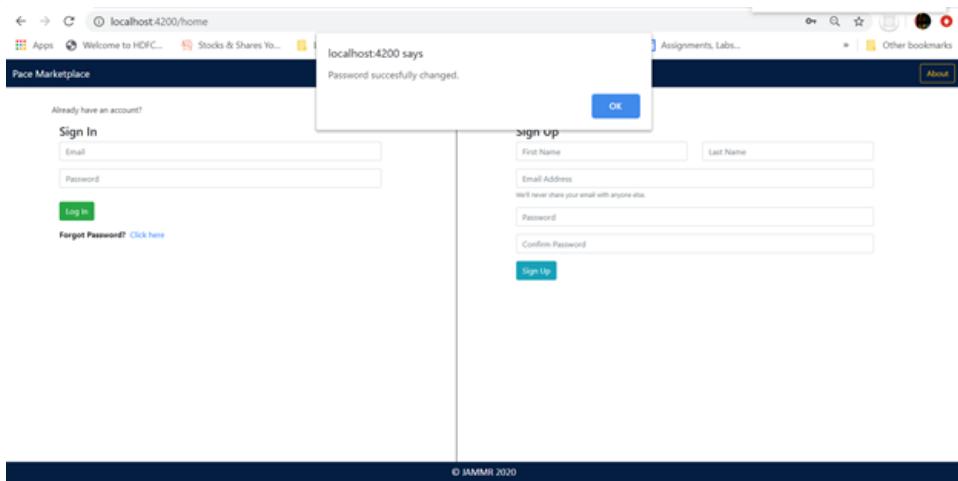
Email Address   
We'll never share your email with anyone else.

Password

Confirm Password

[Sign Up](#)

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## 9. Logout from the application

Pace Marketplace

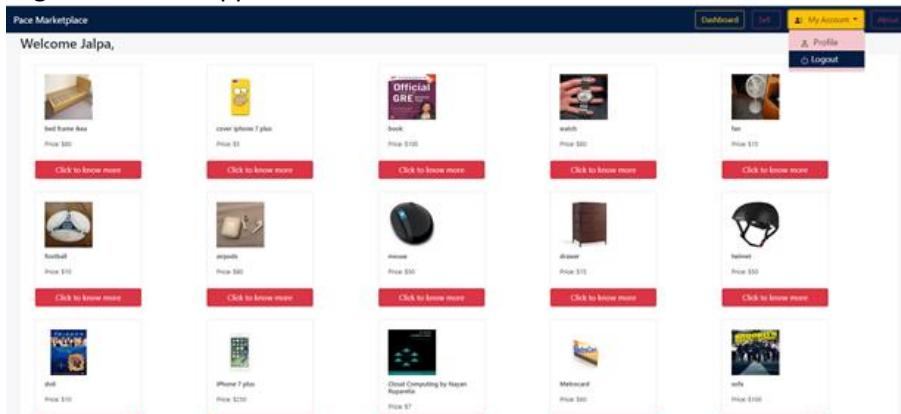
Welcome Jalpa,

Dashboard Sell My Account [Logout](#)

Profile

Logout

 bed frame box Price: \$100 <a href="#">Click to know more</a>	 cover phone 7 plus Price: \$15 <a href="#">Click to know more</a>	 book Price: \$100 <a href="#">Click to know more</a>	 watch Price: \$80 <a href="#">Click to know more</a>	 fan Price: \$110 <a href="#">Click to know more</a>
 football Price: \$10 <a href="#">Click to know more</a>	 aspirin Price: \$60 <a href="#">Click to know more</a>	 alarm Price: \$50 <a href="#">Click to know more</a>	 dresser Price: \$110 <a href="#">Click to know more</a>	 helmet Price: \$50 <a href="#">Click to know more</a>
 dvd Price: \$100 <a href="#">Click to know more</a>	 iPhone 7 plus Price: \$250 <a href="#">Click to know more</a>	 Cloud Computing by Rajesh Aggarwal. Price: \$10 <a href="#">Click to know more</a>	 MotoGp Price: \$60 <a href="#">Click to know more</a>	 soft Price: \$100 <a href="#">Click to know more</a>



Pace Marketplace

Already have an account?

**Sign In**



**Log In**

**Forgot Password? Click here**

New User?

**Sign Up**




We'll never share your email with anyone else.



**Sign Up**

✓ You have been signed off!  
See you again soon!

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10. If you forget your password you can use the 'Click here' link beside Forgot Password in the screenshot to reset your password. You will get a link in your registered email to reset the password.

Pace Marketplace

**Reset Password**

Please enter your email address to request a password reset.

**Reset Password**

Go back to **Log In**

Pace Marketplace

Already have an account?

**Sign In**



**Log In**

**Forgot Password? Click here**

New User?

**Sign Up**



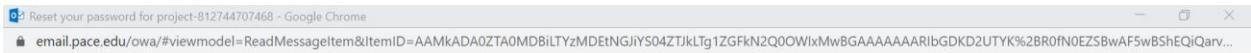

We'll never share your email with anyone else.



**Sign Up**

✓ Password reset email sent  
Please check your inbox

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Reset your password for project-812744707468

X DELETE ← REPLY ← REPLY ALL → FORWARD ⋮



noreply@marketplace-badaa.firebaseioapp.com

Wed 5/13/2020 1:09 PM

Mark as unread

To: Ashara, Ms. Jalpa;

Hello,

Follow this link to reset your project-812744707468 password for your ja57884n@pace.edu account.

[https://marketplace-badaa.firebaseioapp.com/\\_/auth/action?mode=resetPassword&oobCode=5jzS\\_OFoPicyZvBqrpdAdFhf\\_X6TuJ-3IfzEKpdYVmoAAAFyD6f1GA...](https://marketplace-badaa.firebaseioapp.com/_/auth/action?mode=resetPassword&oobCode=5jzS_OFoPicyZvBqrpdAdFhf_X6TuJ-3IfzEKpdYVmoAAAFyD6f1GA...)

If you didn't ask to reset your password, you can ignore this email.

Thanks,

Your project-812744707468 team



### Reset your password

for **ja57884n@pace.edu**

New password

\*\*\*\*\*

SAVE



### Password changed

You can now sign in with your new  
password