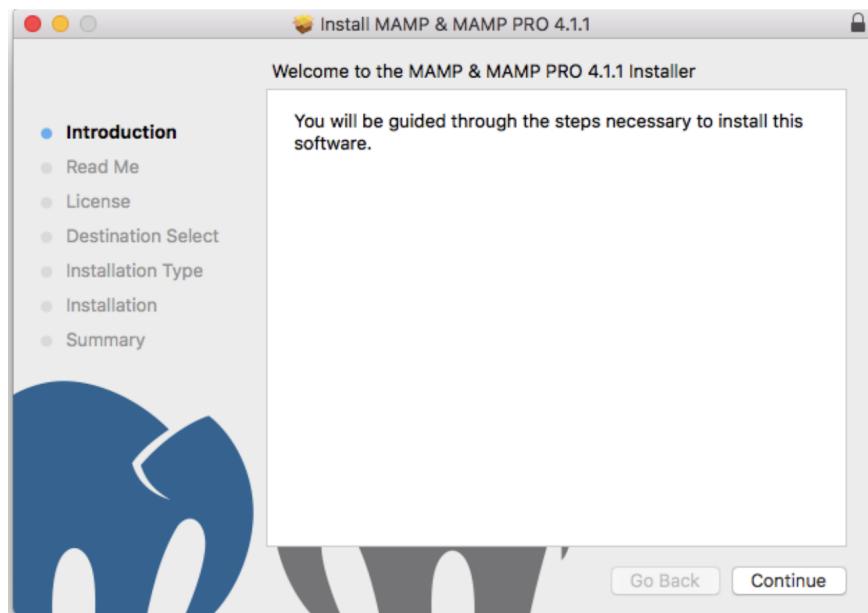


# User's manual

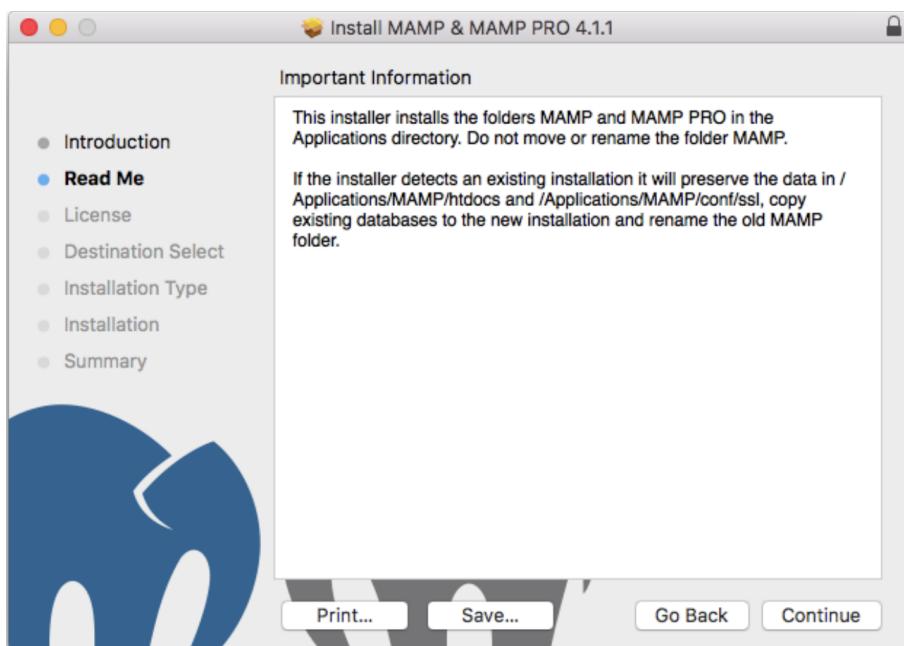
Our application will run on web browser. This manual will illustrates how to runs the website. First, install the following programs which are Mamp, Nodejs ,and Angular.

To install Mamp, follow the instructions below:

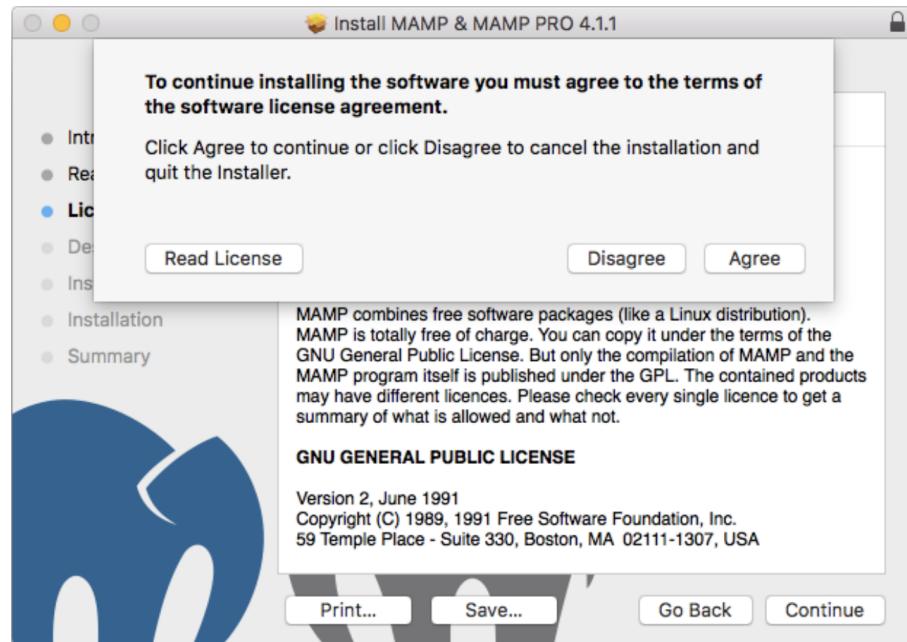
1. Download MAMP from <https://www.mamp.info/en/downloads/>.
  2. Double click on the file MAMP\_MAMP\_PRO\_4.0.pkg in your Downloads folder.
  3. The System Installer will guide you through the installation process. Note: You need administrator permissions to install MAMP!
- 3.1 Click Continue.



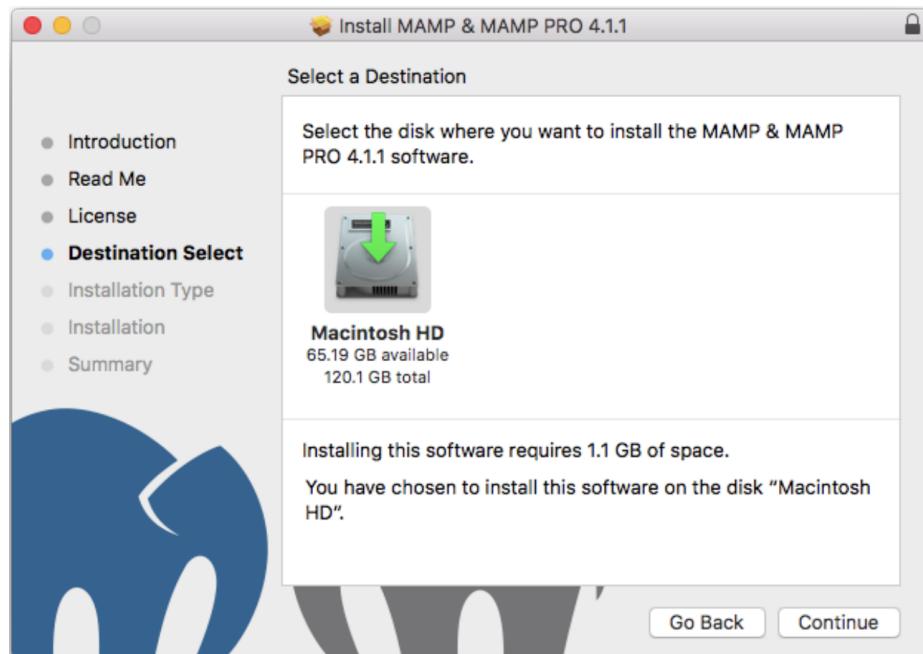
3.2 The installer installs the folders MAMP and MAMP PRO in the Applications directory. **Do not move or rename the folder MAMP.**



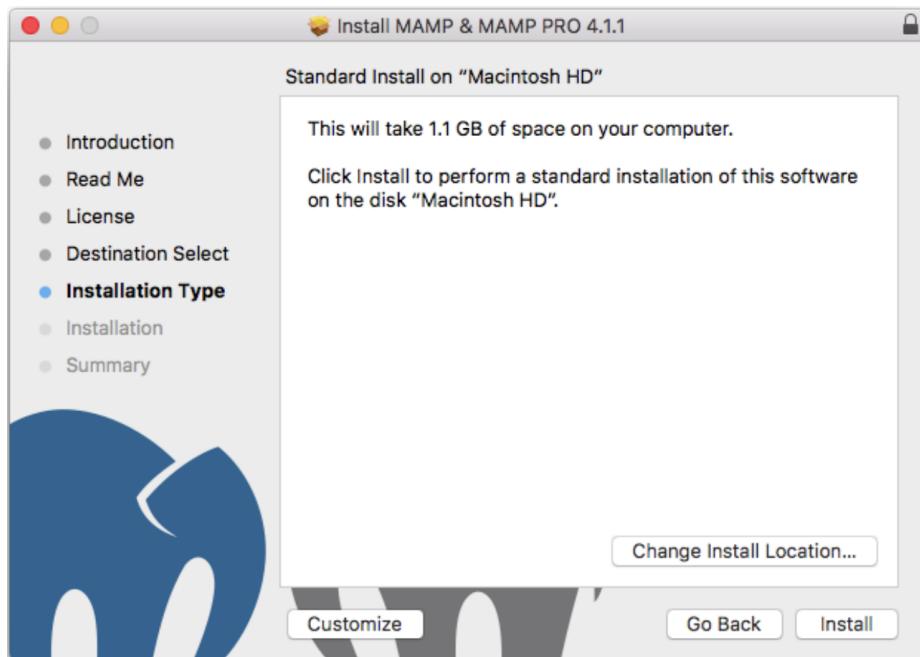
3.3 To continue installing MAMP, you must agree to the terms of the software license agreement. Click Agree to continue.



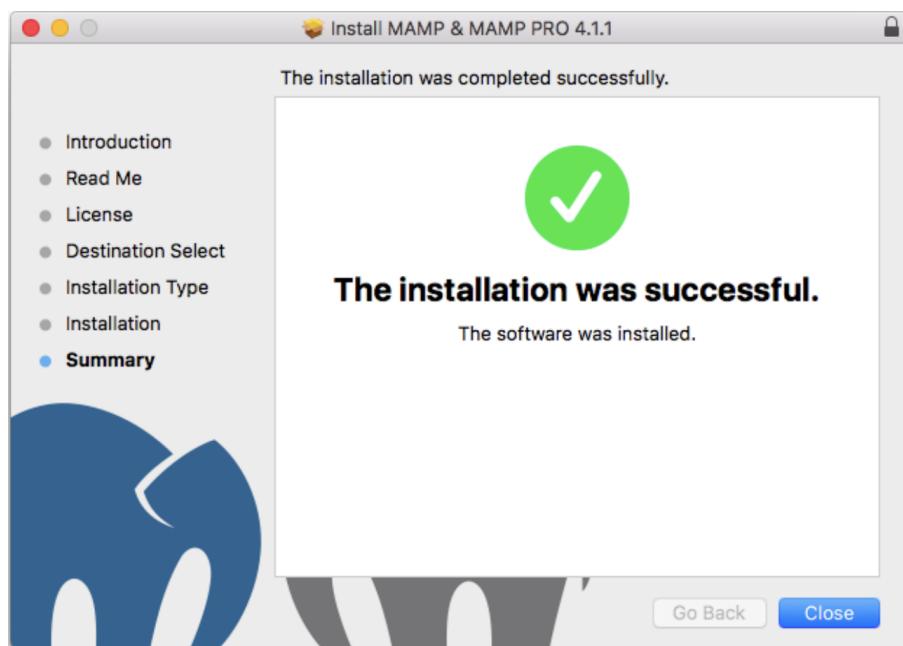
3.4 Select the disk where you want to install MAMP.



3.5 In order to work properly, the MAMP folder has to be located in the Applications folder.

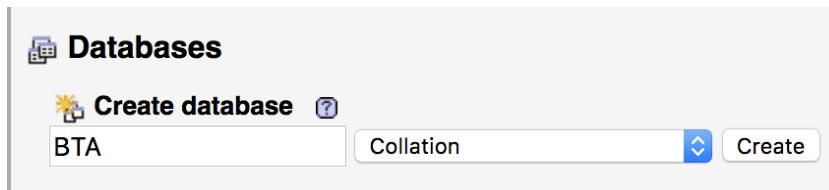


3.6 Click Close.



Next, create a database table using Mamp:

1. Open Mamp, and Start the server
2. Open phpMyAdmin
3. Create database and name it “BTA”



4. In BTA, choose Import, and choose file DB.sql in the BTA folder.

The screenshot shows the 'Import' tab selected in the phpMyAdmin navigation bar. The main title is 'Importing into the database "BTA"'.  
**File to import:**  
File may be compressed (gzip, bzip2, zip) or uncompressed.  
A compressed file's name must end in **.[format].[compression]**. Example: **.sql.zip**  
Browse your computer:  DB.sql (Max: 8,192Ki)  
You may also drag and drop a file on any page.  
Character set of the file:   
**Partial import:**  
 Allow the interruption of an import in case the script detects it is close to the PHP time limit (transactions.)  
Skip this number of queries (for SQL) starting from the first one:   
**Other options:**  
 Enable foreign key checks  
**Format:**  
  
**Format-specific options:**  
SQL compatibility mode:   
 Do not use AUTO\_INCREMENT for zero values

5. If there is no RED code appears, then the database is already created!

To install Node js, follow the instructions below:

1. Go to the <https://nodejs.org/en/download/>
2. Download Node.js for macOS by clicking the "Macintosh Installer" option(or "Windows Installer for Windows").
3. Run the downloaded Node.js .pkg Installer
4. Run the installer, including accepting the license, selecting the destination, and authenticating for the install.
5. You're finished! To ensure Node.js has been installed, run node -v in your terminal - you should get something like v6.9.4
6. Open terminal (or cmd for Windows) type npm install npm --global // Update the `npm` CLI client
7. Change directory of your terminal (or cmd) to server folder in the attached BTA folder.
8. Type npm install mysql

```
Last login: Sun Apr 29 01:08:00 on ttys000
[chiggachan:~ chiggachan$ cd /Users/chiggachan/Desktop/BTA/server
chiggachan:server chiggachan$ npm install mysql
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN testserver@1.0.0 No description
npm WARN testserver@1.0.0 No repository field.

+ mysql@2.15.0
removed 36 packages and updated 1 package in 1.669s

Update available 5.6.0 → 6.0.0
Run npm i -g npm to update

chiggachan:server chiggachan$
```

## 9. Finished!

To install Angular, follows the instruction below:

1. Open terminal (or cmd for Windows).
2. Type npm install -g @angular/cli
3. Change directory of terminal (or cmd) to folder "form" in BTA folder
4. Type npm install , and wait until it finished

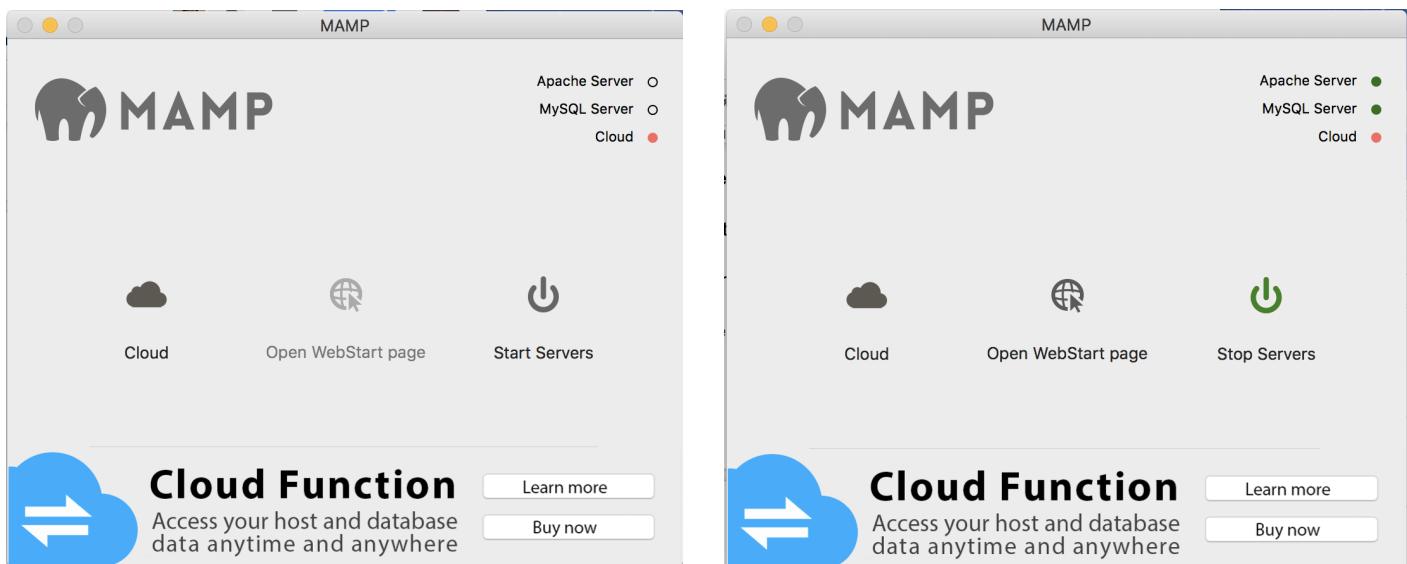
```
Last login: Sun Apr 29 01:06:03 on ttys000
[chiggachan:~ chiggachan$ cd /Users/chiggachan/Desktop/BTA/form
chiggachan:form chiggachan$ npm install
V8_DEPRECATED("Use CreateDataProperty / DefineOwnProperty",
  expanded from macro 'V8_DEPRECATED'
  declarator __attribute__((deprecated))
)
1 warning generated.
  c++ -bundle -undefined dynamic_lookup -Wl,-no_pie -Wl,-search_paths_first -mmacosx-version-min=10.7 -arch x86_64 -L./Release -stdlib=libc++ - Release/binding/node_Release/obj.target/binding/src/binding.o Release/obj.target/binding/src/create_string.o Release/obj.target/binding/src/custom_function_bridge.o Release/obj.target/binding/src/custom_importer_bridge.o Release/obj.target/binding/src/sass_context_wrapper.o Release/obj.target/binding/src/sass_types/color.o Release/obj.target/binding/src/sass_types/factory.o Release/obj.target/binding/src/sass_types/list.o Release/obj.target/binding/src/sass_types/map.o Release/obj.target/binding/src/sass_types/null.o Release/obj.target/binding/src/sass_types/number.o Release/obj.target/binding/src/sass_types/string.o Release/sass.a
dyn info ok
Installed to /Users/chiggachan/Desktop/BTA/form/node_modules/node-sass/vendor/darwin-x64-59/binding.node
added 1165 packages in 131.441s
chiggachan:form chiggachan$
```

## 5. Finished!

Now, to run the website, all 3 processes have to be run:

Start with Mamp:

1. Open Mamp, and Start server



2. Make sure that the username and password are both "root"

<b>Host</b>	localhost
<b>Port</b>	3306
<b>User</b>	root
<b>Password</b>	root
<b>Socket</b>	/Applications/MAMP/tmp/mysql/mysql.sock

Next, run node js server:

1. Open terminal
2. Change directory to the server folder in BTA folder
3. Type node server.js

```
[chiggachan:~ chiggachan$ cd /Users/chiggachan/Desktop/BTA/server
[chiggachan:server chiggachan$ node server.js
[...]
Server started!
Connected!
```

Now, run angular:

1. Open another terminal ( or cmd )
2. Change directory to folder “form” in BTA folder
3. Type ng serve

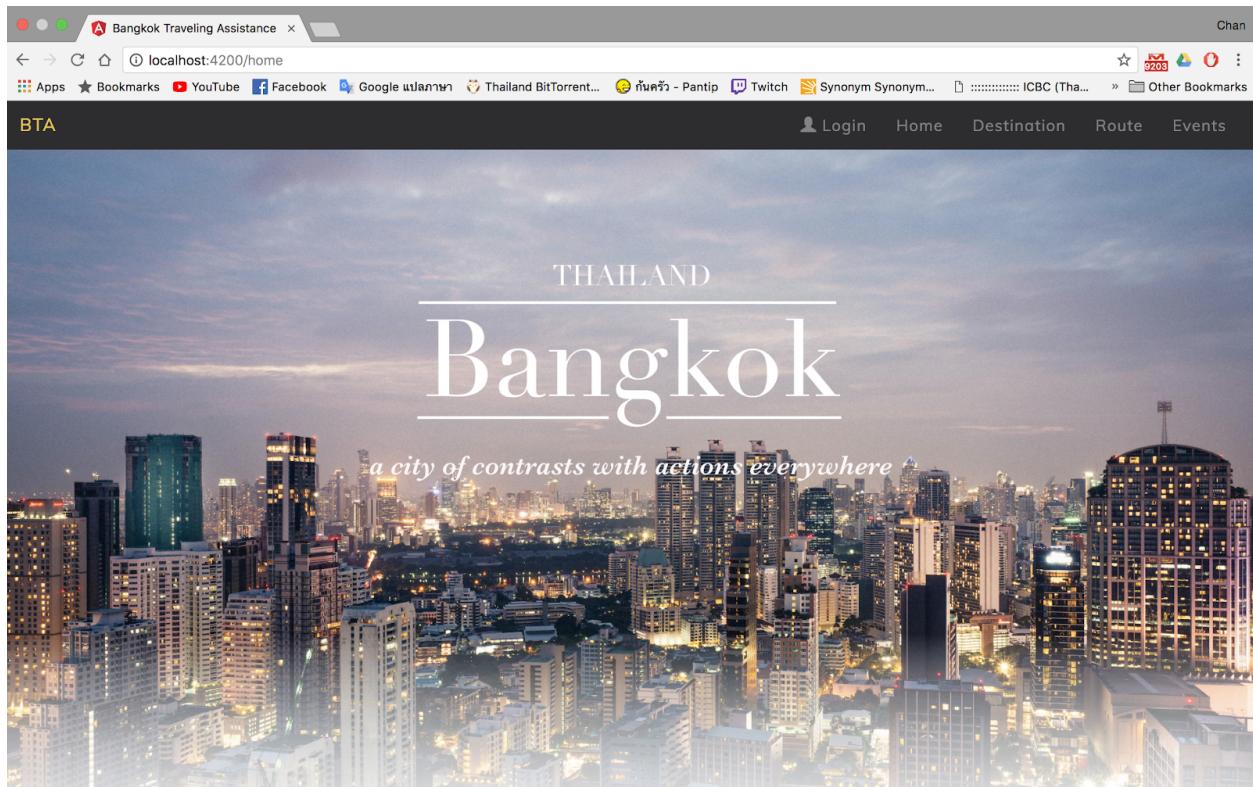
```
[chiggachan:~ chiggachan$ cd /Users/chiggachan/Desktop/BTA/form
[chiggachan:form chiggachan$ ng serve
```

```
Last login: Sun Apr 29 01:23:52 on ttys001
[chiggachan:~ chiggachan$ cd /Users/chiggachan/Desktop/BTA/form
[chiggachan:form chiggachan$ ng serve
Your global Angular CLI version (1.7.4) is greater than your local
version (1.5.0). The local Angular CLI version is used.

To disable this warning use "ng set --global warnings.versionMismatch=false".
** NG Live Development Server is listening on localhost:4200, open your browser
on http://localhost:4200/ **
Date: 2018-04-28T18:30:09.899Z
Hash: 568ff81d9c6685a98468
Time: 9765ms
chunk {inline} inline.bundle.js (inline) 5.79 kB [entry] [rendered]
chunk {main} main.bundle.js (main) 430 kB [initial] [rendered]
chunk {polyfills} polyfills.bundle.js (polyfills) 550 kB [initial] [rendered]
chunk {snazzy-info-window} snazzy-info-window.chunk.js () 35.1 kB [rendered]
chunk {styles} styles.bundle.js (styles) 380 kB [initial] [rendered]
chunk {vendor} vendor.bundle.js (vendor) 9.71 MB [initial] [rendered]

webpack: Compiled successfully.
```

When all 3 processes have run successfully, open web browser (chrome is preferred). And open localhost:4200, homepage of the website should appears



Enjoy!