

## **Technical documentation :**

### **Introduction**

- Created on: March 2021
- Developed by: Aseel Hamedallah

#### Backend

- PHP | Laravel Framework

#### Frontend

- HTML5
- CSS3
- JavaScript
- Bootstrap

Data base : Mysql

### **Project Information**

**We**care is **Marketplace** website and **Multiservices** platform which connects the service providers with users in order to give them a trusted service with high standards , accurate appointments , confidence and high quality in providing services.

### **General Description**

- A website made for reserving services for home and childrens.
- The website has three types of users Admin, user and provider
- The Admin is the one who controls everything in the website, starting from users all the way to sensitive users details and bookings
- Providers, those are the ones who will register through our websites and getting approved by the admins to share their services with customers
- Users:
  - New user can easily register
  - Simple Login and Register
  - Select services based on the categories
  - Select the location where they want the service
  - View the detailed information about provider
  - Check the availability and cost
  - Provide ratings and comments

## Requirements

- PHP >= 7.2.5

## Laravel Structure

Project Directory

```
|--app
|  |--console
|  |--Exceptions
|  |--Http
|  |--Providers
|--bootstrap
|  |--Cache
|--config
|--database
|--public
|  |--CSS
|  |--fonts
|  |--img
|  |--js
|--console
|--Exceptions
|--Http
|--Providers
|--resources
|  |--views
|  |--layouts
|     |--partials
|     |--footer-scripts.blade.php
|     |--head.blade.php
|     |--header.blade.php
|     |--nav.blade.php
|     |--mainlayout.blade.php
|--routes
|  |--api.php
|  |--channels.php
|  |--console.php
|  |--web.php
|--storage
|--tests
|--vendor
|--editorconfig
|--env
|--env.example
|--styleci.yml
|--artisan
|--composer.json
|--composer.lock
|--package.json
|--package-lock.json
```

```
|--phpunit  
|--README.md  
|--webpack.mix
```

## **Functional specifications**

The project covered many aspect of functional specifications such as :

1-Registration and login

2- Reserving services

3- Notifications: in my project any transaction between provider and user will be send by the notification menu.

4-Reviews : after the service finished the user can review the service and the provider.

5-Searching and filtering : a distinctive feature that, the user can search the services with name , title and location in the search bar , and also can filter the services according to there prices .

6-Reset Email : if any registered user have forget the password he can make new one using Mailtrap .

## **Security**

Also about Security issue In the website a high security with middlewares (can not access any page not for the this user or admin pages throw the URL ) , Authentication system (check if the user is registered if not it will redirect him to the login and also the user must make a login to go throw his profile and make actions) and laravel security (bcrypt) which make the any user password hashed to letters and numbers. This process runs in the login controller during registration and login as the following example :

input password : aseel\_123azy

Hashed password stored :

\$2y\$10\$7nQ/mBJiuiEQioEhY4NFX.pBLDBNNTLaXrMeJPOcBUVLAWBc.QBPO

Also if the user forget password he can restored it by email .

## Installation

Given below are the steps you need to follow, to install the Project on your system:

**Step 1:** Open the terminal in your root directory(project directory) & to install the composer packages run the following command:

```
composer install
```

**Step 2:** By running the following command, you will be able to get all the dependencies in your node\_modules folder:

```
npm install
```

**Step 3:** To run the project, you need to run following command in the project directory. It will compile the php files & all the other project files. If you are making any changes in any of the .php file then you need to run the given command again.

```
npm run dev
```

**Step 4:** To serve the application you need to run the following command in the project directory. (This will give you an address with port number 8000.) Now navigate to the given address you will see your application is running.

```
php artisan serve
```

To change the port address, run the following command:

```
php artisan serve --port=8080 // For port 8080  
sudo php artisan serve --port=80 // If you want to run it on port 80, you probably need to sudo.
```

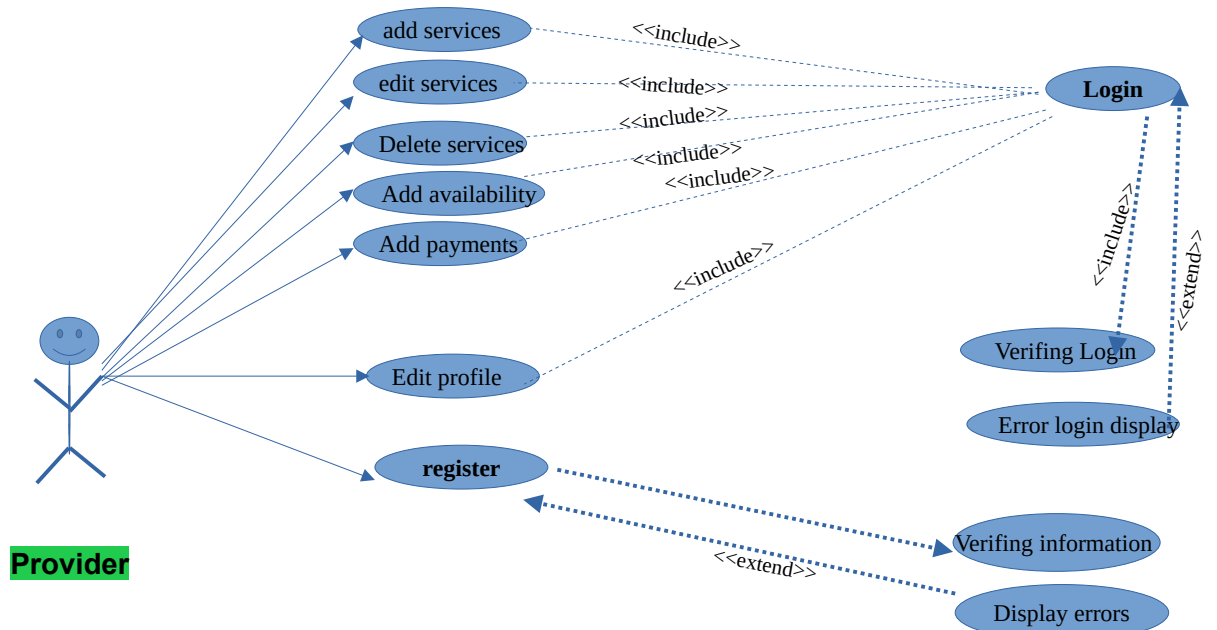
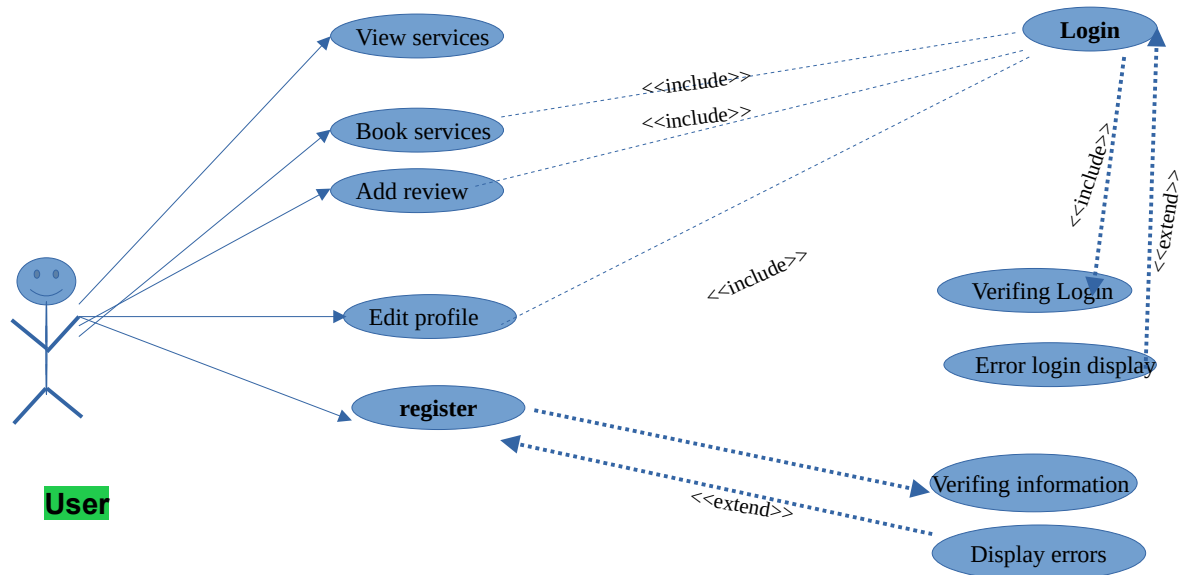
**Watching for changes:** If you want to watch all the changes you make in the application then run the following command in the root directory.

```
npm run watch
```

**Required Permissions:** If you are facing any issues regarding the permissions, then you need to run the following command in your project directory:

```
sudo chmod -R o+rw bootstrap/cache  
sudo chmod -R o+rw storage
```

## Use Case



### **Websites used for research**

As my project is a Marketplace website so I searched about this type of sites in many regions, in Jordan there is some of them like uber and kareem and I found some website in Europe and America like : homeserve and handy where they are specialties in home services .

One important thing I need to make searches about it is the extent of need of Jordanian people for home maintenance providers to come to there home and mothers who need nannies for there childrens .

### **Satisfactory points and difficulties encountered**

One of the difficulties that I faced it is the notifications in both sides for user and customer but when I developed this featur it makes an important functionality to the website, when each customer makes a book then a notification will be shown in the provider side and when any provider accepts or rejects a service it will be shown in customer side so the connection becomes easy .

Mockup





user name

[dashboard](#)[profile setting](#)[reviews](#)[services](#)[Booking](#)[reviews](#)

#### plan details

user ID: 6

Join on 2021-02-23 20:30:43

user@gmail.com

#### Last Payment

Paid at "No payment yet"

Paid : 0

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