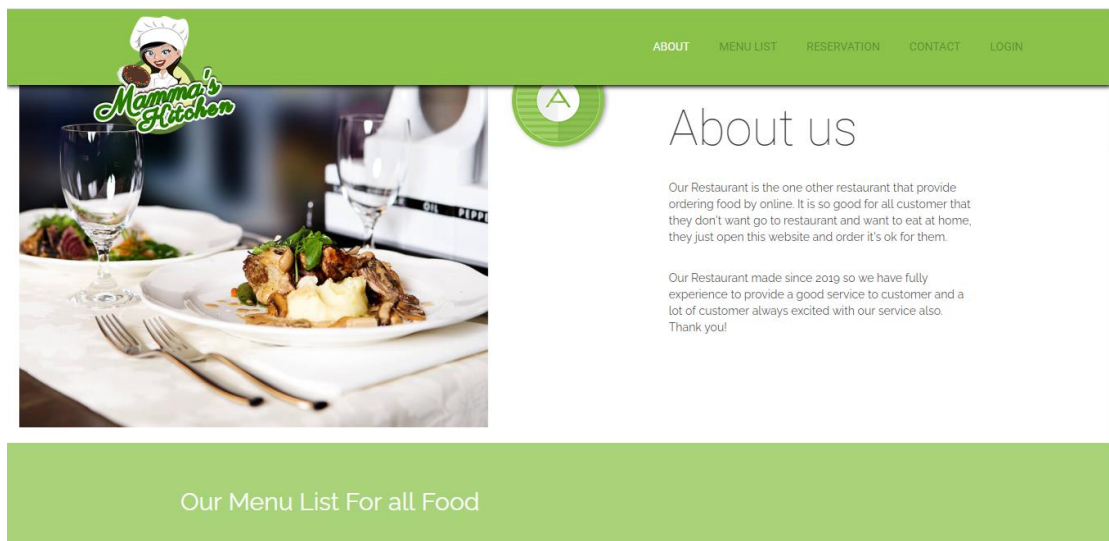# សាកលវិទ្យាល័យ ពុទ្ធិសាស្ត្រ
UNIVERSITY OF PUTHISASTRA

Final Project

Topic: Restaurant Management

Lecturer : Lypengleang Seang
Course: Dynamic Web App
Year: III
Semester : II
Academic Year : 2019 – 2020

By Group Member :

Mr. Oum Soknang(Leader)
Mr. Norn Sokun(Deputy)
Ms. Roeuy kay
Mr. Neang Sovannthai
Ms. Duong Dara
Mr. Chhay Lang

Date : 10 / 11 / 2020

Dynamic Web Development Report

Week I

What is the project about?

➢ This system is about Restaurant Management, an online food ordering system service are website that feature interactive menus allowing customer to place orders with local restaurants and food cooperatives.

Why we choose this topic?

➢ We choose this topic for 2 main reasons:
1. 1, Problem: Difficult for to find best food and some restaurant are full of customers
2. 2, Solution: This system gives us many advantages such as save more time, could get more information about foods in our restaurant, can book foods online, could select any foods you like.

What is our goal of making this happen?

Our Goal:
Online food ordering and sit booking system is bridging the gap between small restaurants and their customers. Restauranteur can enhance restaurants booking system with amazing features offered by website.

How my team build this platform?
we use PHP Framework called "Laravel" for our platform and we device into 2 platforms such as:
- **Frontend:** to let customer to see list of foods and information about restaurant such as menu and price. Also, let user complete form to order foods online and submit form to contact them.
- **Backend:** for restaurant admin to post menu foods, famous foods, price and information about restaurant and foods and see user reservation information.

We have devide tasks to team members such as:

Oum Soknang:
- Team leader
- Do CRUD Slider

Norn Sokkun:
- Team Deputy
- Do CRUD Reservation

Neang Sovannthai
- Do CRUD Item foods

Duong Dara
- Do CRUD Contact Us (Detail, list all contact us and delete) and Frontend Contact Us
- Do document report

Ruoey Kay
- Do CRUD Contact Us (Create) and implement dashboard
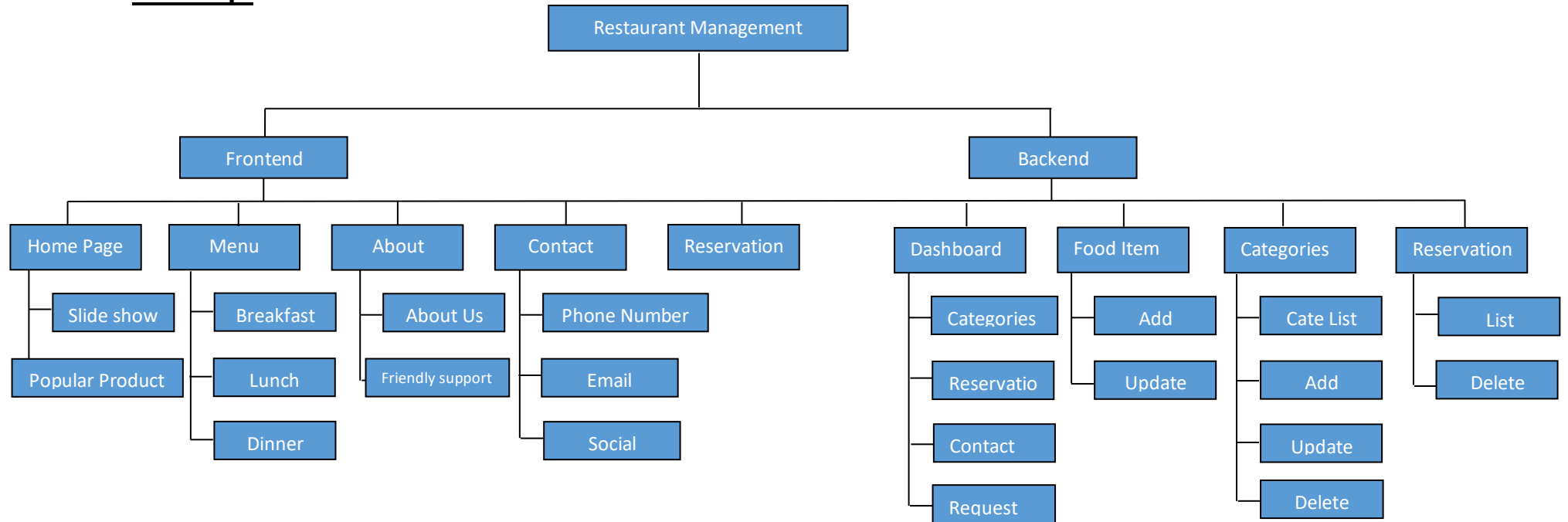- Do Slide

Chhay Lang
- Do CRUD Category

Firstly, we use old project "Restaurant Management" that it already has frontend and backend by using php for develop and now we upgrade into php framework called "Laravel". First step we create project by run comment to create Laravel project and keep using php platforms. Beside all of these, we also find some more ways to help for improve our project by research more on the internet such as some coding website and watch YouTube tutorials.

Week II
We have updated some interface and connect our project with database.
This is our sitemap:

Site Map:

```
                            Restaurant Management
                          /                        \
                   Frontend                          Backend
        /      /      |      \        \           /      |      |        \
  Home Page  Menu  About  Contact  Reservation  Dashboard  Food Item  Categories  Reservation
     |         |      |       |                      |          |          |           |
  Slide show  Breakfast  About Us  Phone Number    Categories  Add      Cate List    List
     |         |      |       |                      |          |          |           |
  Popular     Lunch  Friendly  Email               Reservatio  Update    Add         Delete
  Product            support                          |                   |
               |              Social                Contact              Update
             Dinner                                   |                   |
                                                   Request              Delete
```

Database Structure
❖ Tables Relationship Structure

brand
- 🔑 id INT
- ◇ name VARCHAR(45)
- ◇ description VARCHAR(45)

Indexes

manage_promotion
- 🔑 id INT
- ◇ promotion_name VARCHAR(45)
- ◇ price DECIMAL(10,2)
- ◇ discount DECIMAL(10,2)
- ◇ description VARCHAR(45)
- ◇ img VARCHAR(45)
- ◇ user_id INT
- ◇ location VARCHAR(45)
- ◇ phone VARCHAR(45)
- ◇ published TINYINT(4)
- ◇ created_date DATETIME
- ◇ manage_promotioncol VARCHAR(45)
- ◆ category_id INT
- ◆ brand_id INT
- ◆ size_id INT
- ◆ company_id INT

Indexes

company
- 🔑 id INT
- ◇ name VARCHAR(45)
- ◇ phone VARCHAR(45)
- ◇ description VARCHAR(45)
- ◆ user_id INT
- ◆ province_id INT

Indexes

province
- 🔑 id INT
- ◇ name VARCHAR(45)

Indexes

category
- 🔑 id INT
- ◇ name VARCHAR(45)
- ◇ description VARCHAR(45)

Indexes

role
- 🔑 id INT
- ◇ name VARCHAR(45)

Indexes

user
- 🔑 id INT
- ◇ f_name VARCHAR(45)
- ◇ l_name VARCHAR(45)
- ◇ uname VARCHAR(45)
- ◇ email VARCHAR(45)
- ◇ password VARCHAR(45)
- ◆ role_id INT

Indexes

size
- 🔑 id INT
- ◇ name VARCHAR(45)
- ◇ description VARCHAR(45)

Indexes

Our Platform

Frontend

❖ About us page
This is the page that you can see our goal and information about Restaurant.
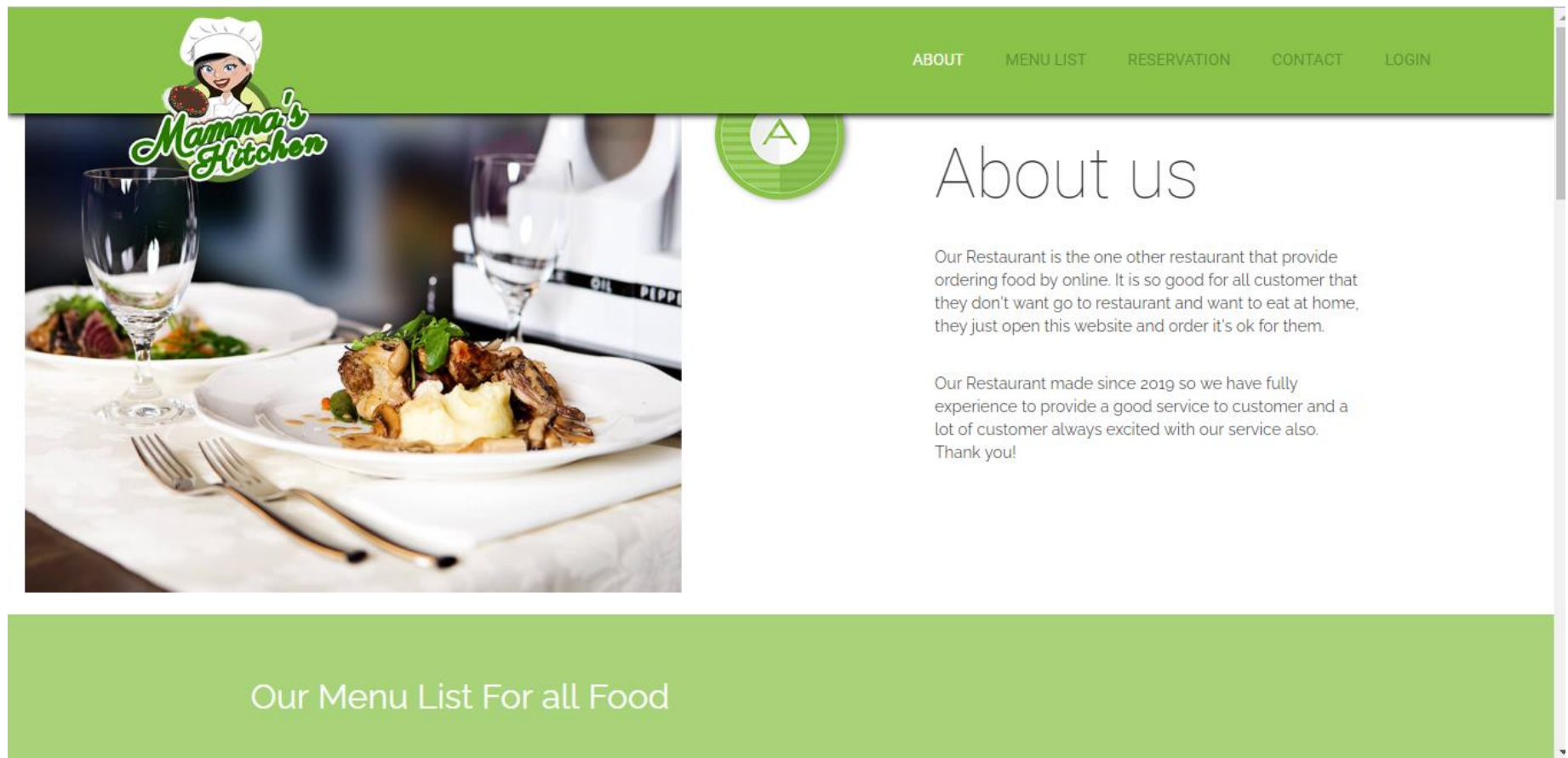
❖ Menu List page

This is the page that you can see the list of foods menu following to their food's category

Our Menu List For all Food

All   Khmer Foods   Foreigner Foods   Thai Foods   Vietnam Foods

$10

Our Menu List For all Food

All   Khmer Foods   Foreigner Foods   Thai Foods   Vietnam Foods

$10

$20

$15

Our Menu List For all Food

All   Khmer Foods   Foreigner Foods   Thai Foods   Vietnam Foods

$10

Our Menu List For all Food

All   Khmer Foods   Foreigner Foods   Thai Foods   Vietnam Foods

$10

❖ **Reservation page**

This is the page that you can book foods as online by complete and submit the information for makind the reservation. You also can see the information of the time that restaurant is open.
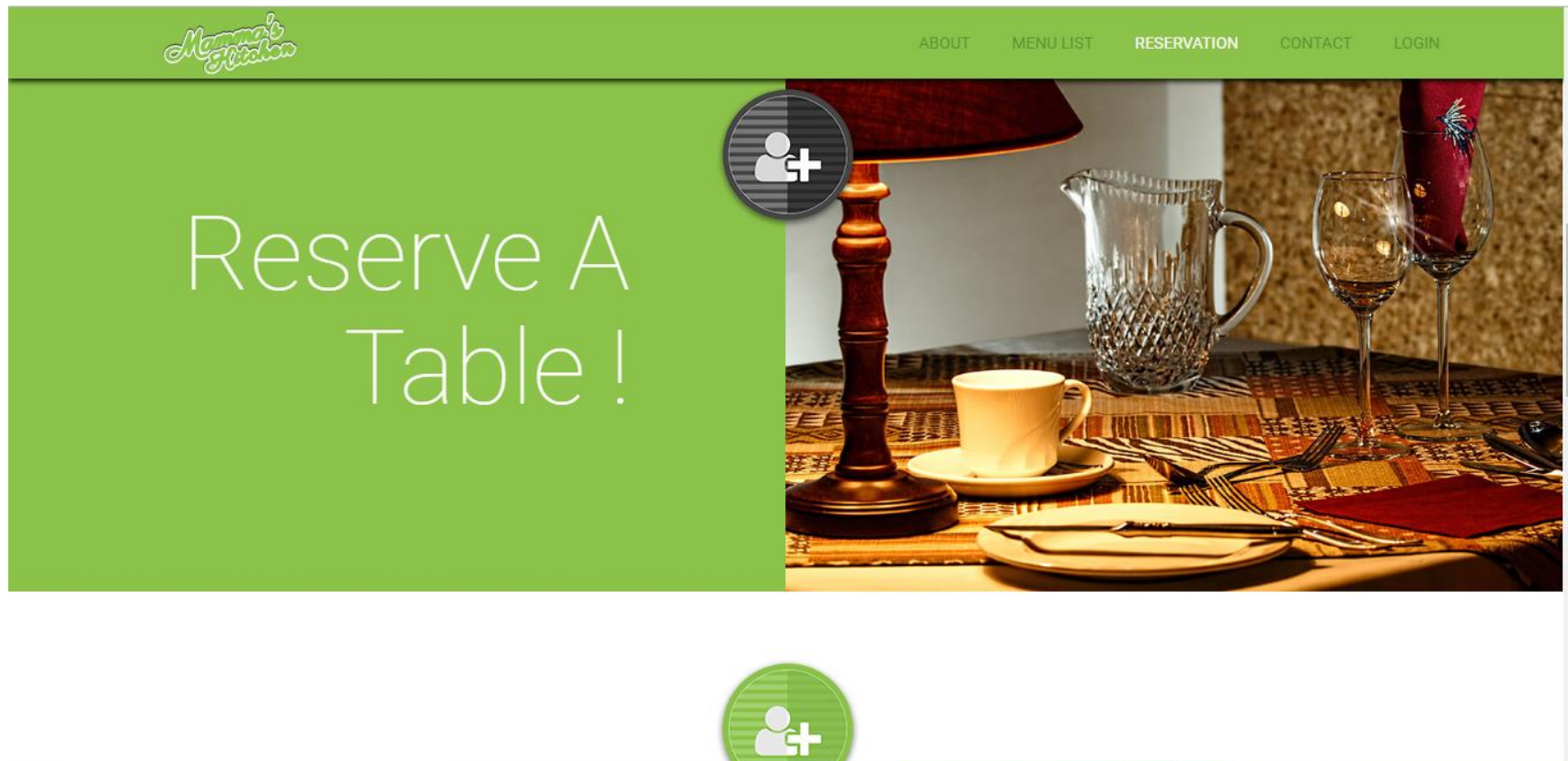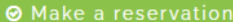
Name

Phone

e-mail

Time

We're listening

✔ Make a reservation

Hours

Mon to Fri: 7:30 AM – 11:30 AM
Sat & Sun: 8:00 AM – 9:00 AM

Lunch
Mon to Fri: 12:00 PM – 5:00 PM

Dinner
Mon to Sat: 6:00 PM – 1:00 AM
Sun: 5:30 PM – 12:00 AM

❖ Contact page

This is the page that you can contact to admin (the one who manage this restaurant website) for submit the personal information such name and email and purpose of their contact. You also can see the information such as address, telephone, and Gmail of Restaurant.

❖ **Login page**

This is the page for Admin that admin can access to backend to manage their post and manage user reservation so only Admin can access it.
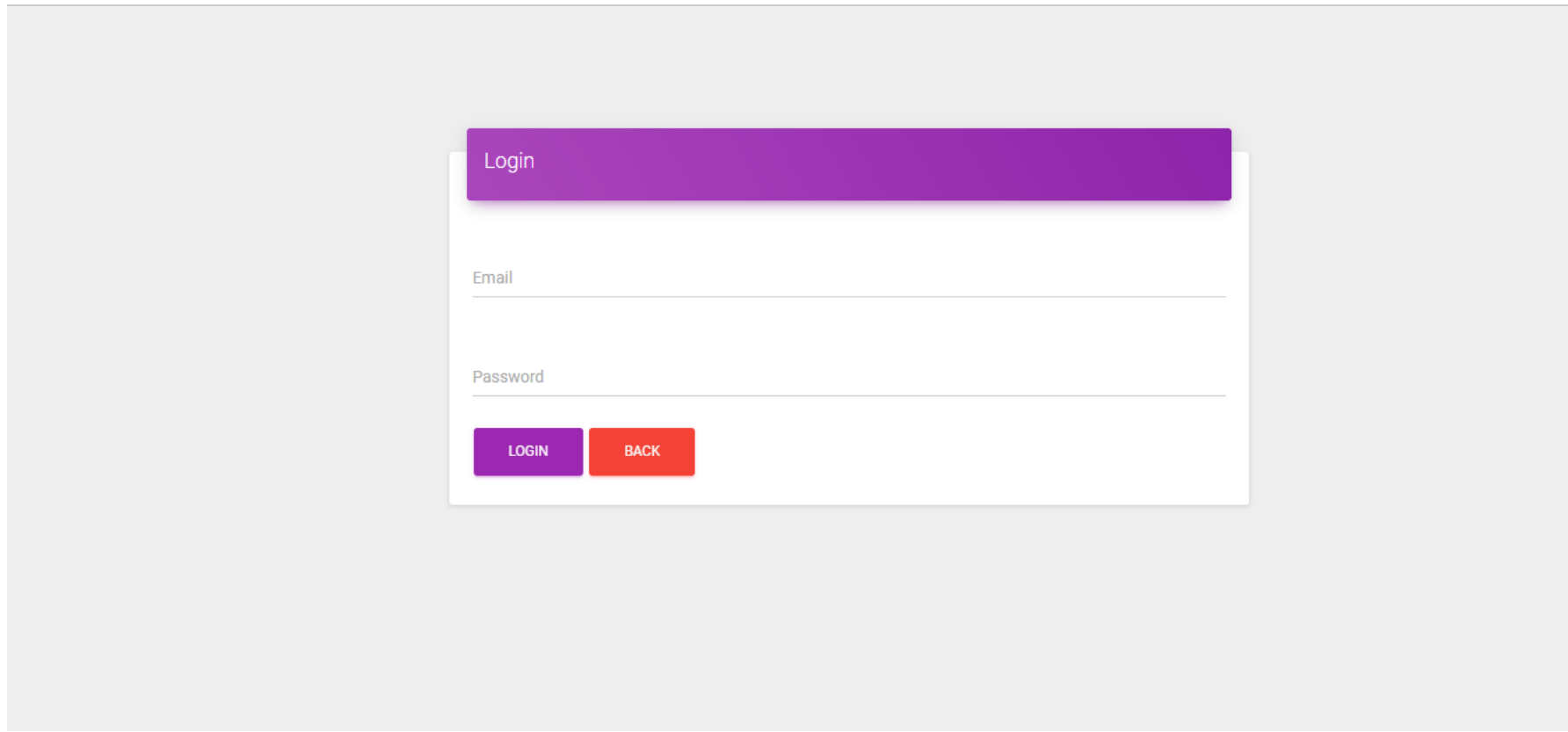
❖ Backend

❖ Dashboard
This is the page that count related to slides, categories, items, reservation and contact us.
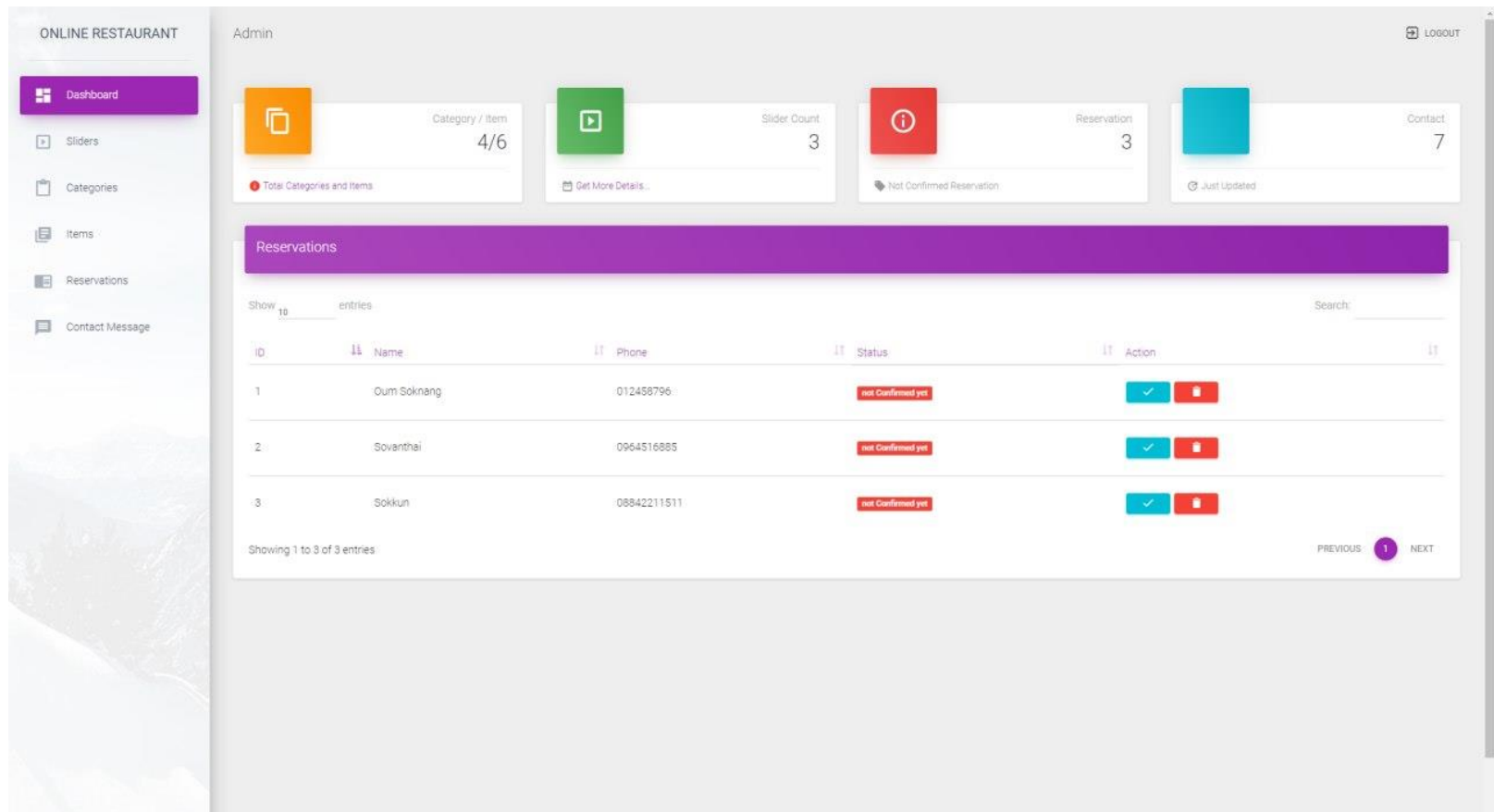
❖ **Sliders**
This is the page for show in frontend related to slides, name slides, slide show, description, subtitle… and it can create, delete, and update.

❖ **Categories**
This is the page for manage foods item when post any foods according to their categories.
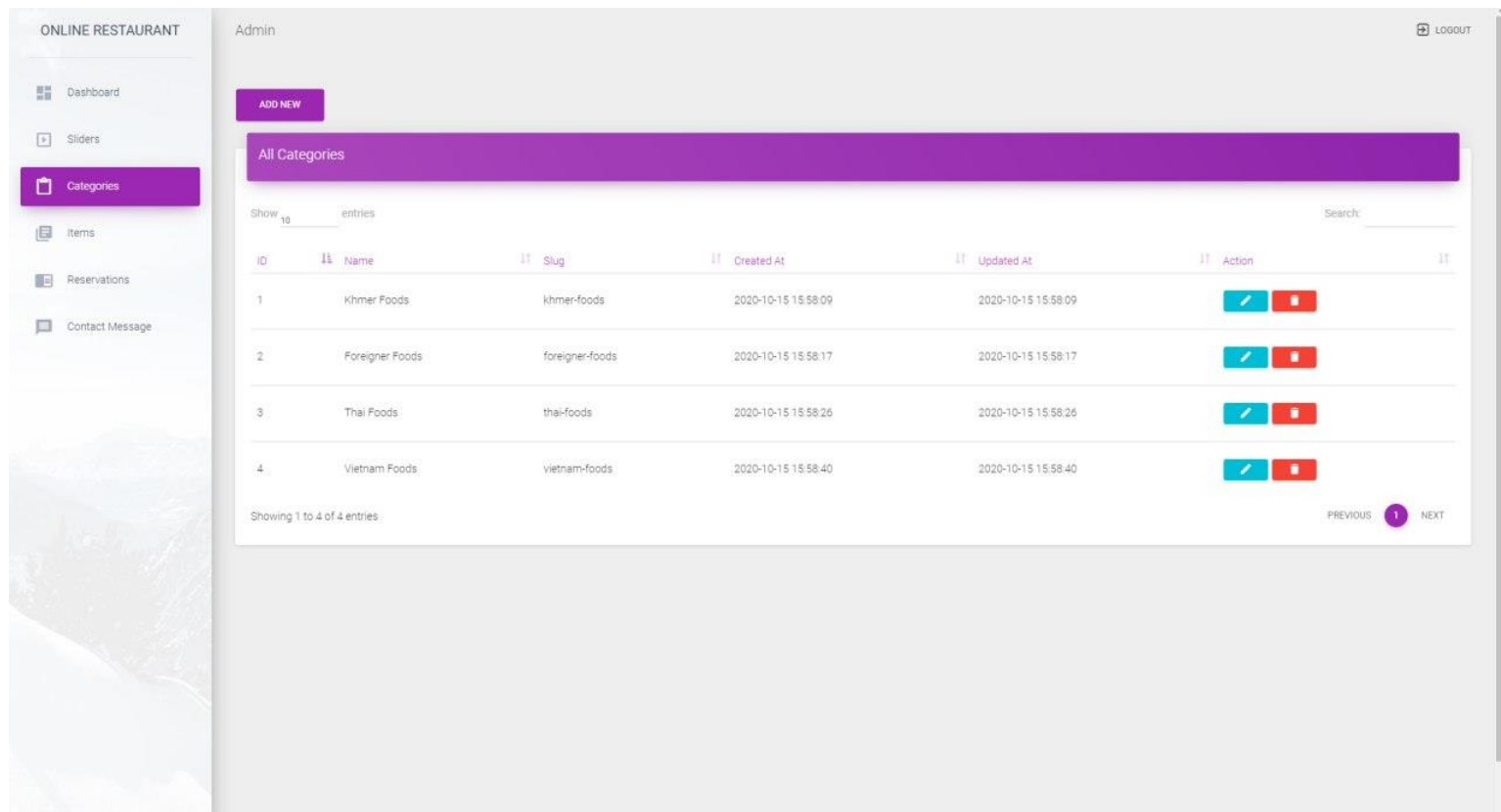
❖ Items

This is the page that manage when we add any foods to show on frontend into their categories. It can create, delete, and update.

❖ **Reservation**

This is the page that manage with order foods that include feature confirm and session mail when user submit their reservation so Admin can confirm their reservation.

❖ **Contact Message**
This is the page manage contact of user that user have submit from form in frontend and we can view what user have submitted and delete.

➢ View Detail of Contact Message

We can view details for what user have submitted from form in frontend.
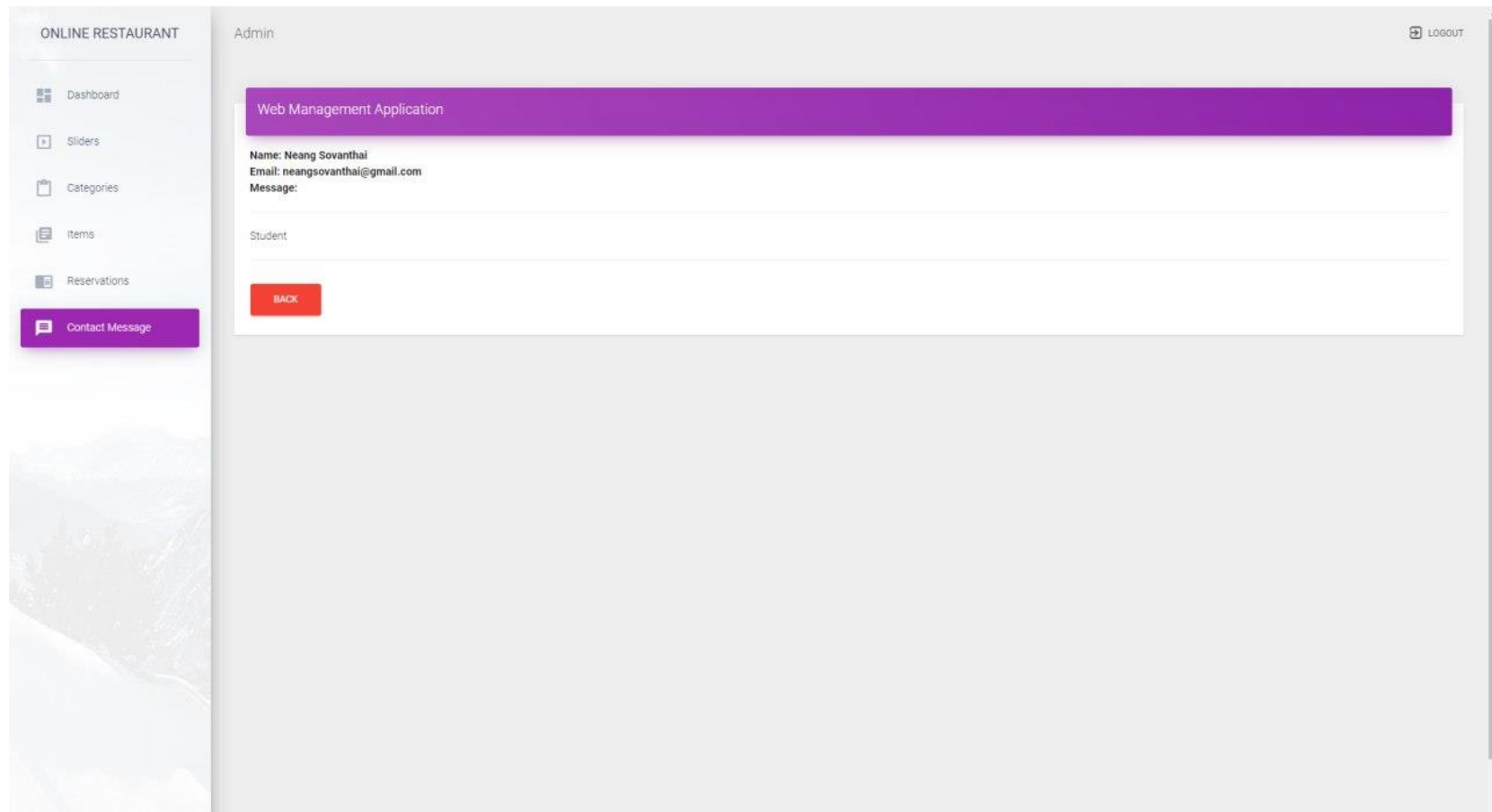
Configuration

❖ Installation
- Open php server (XAMP, WAMP, MAMP)
- Clone the repository: git clone
  https://github.com/SovannthaiNEANG/online-
  restaurant-management.git

- Install all the dependencies using composer: composer install
- Copy the example env file and make the required configuration changes in the .env file
- Generate a new application key: php artisan key:generate
- Run the database migrations: php artisan migrate
- Start the local development server: php artisan serve
  - You can now access the server at http://localhost:8000

❖ **Process on frontend**
- Homepage is launch first as About page like the screenshot above
- Then you can see the slide show of foods and all type of food categories of any country
- Some information is on that About us page
- When you scroll down, it will load to next menu as Menu List page
- Then the next menu is Reservation page
- After that is Contact page
- The last menu is Login which is the page for Admin can access to backend.

Website references and YouTube link

https://www.youtube.com/watch?v=F-3Sja3CWsU&list=PLcN-gIg7jTM4jenAEtp6lP5_6KiH5twGs&index=25
https://laravel.com/docs/8.x/notifications#introduction
https://mailtrap.io/signin
https://www.javatpoint.com/laravel
https://www.youtube.com/watch?v=_T8lun81ybU&list=PLcN-gIg7jTM4jenAEtp6lP5_6KiH5twGs
https://www.youtube.com/watch?v=4rRARHPC-_c&t=336s
https://www.youtube.com/watch?v=ao-LkhyYz4c

📖 **The End** 📖