SKILL DEVELOPMENT PROJECT II - ICT 2212
BACHELOR OF INFORMATION AND COMMUNICATION TECHNOLOGY
(BICT)
DEGREE PROGRAMME

Department of Information and Communication Technology

Faculty of Technology Rajarata University of Sri Lanka

Mihintale

Online Food Ordering System

- Group Number 07-OMICRON

Content

- Introduction

- Aims and Objectives

- Requirement Specification

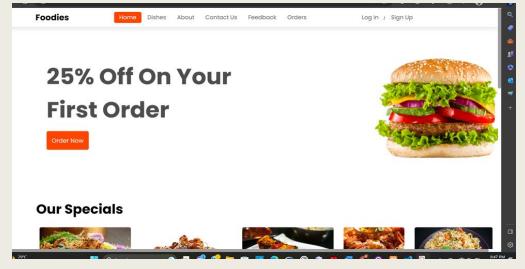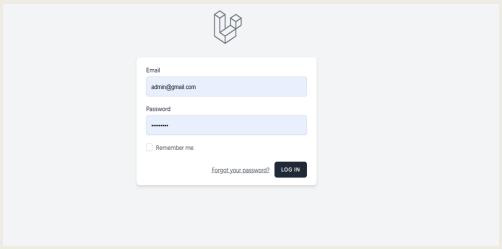- Methodology

- Development

- Conclusion

Introduction

- Background

- ➤ Online food ordering concept is being proposed to simplify the ordering process for both the customer and the restaurant or hotel.

- ➤ It will be an interactive and up-to-date menu with all available options for all food items.

- ➤ Customers can choose one or more food items to place an order, which will land in the Cart and contain all ordered items for delivery.

- ➤ Restaurant Employees will be able to process orders efficiently and effectively with minimal delays and confusion.
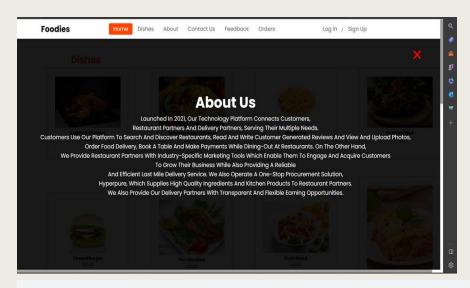
Importance of Project

- Convenience

- Increased Sales

- Enhanced Customer Experience

- Integration with Delivery Services

Individual Contribution

Front End Interfaces designing of Web application
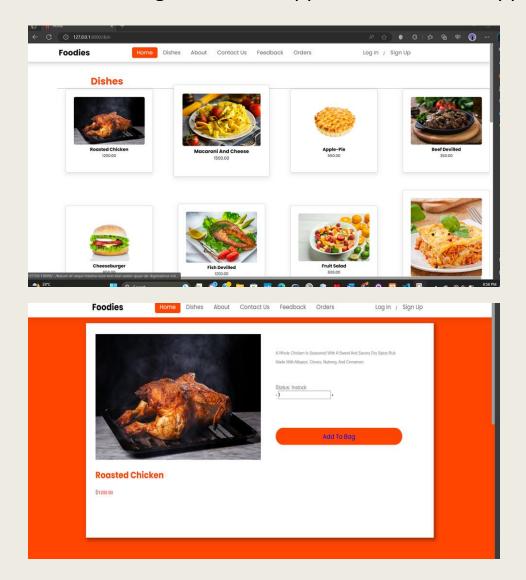
Aims and Objectives

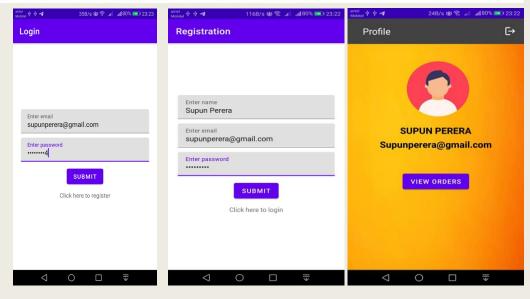■ Aim:The aim of an online food ordering system is to provide a convenient and efficient platform for customers to order food from restaurant through the internet.

■ Objectives:

- *Convenience and Accessibility*

- *Wide Selection of Menu*

- *Efficient Order Management*

- *Seamless Integration with Delivery Services*

Individual Contribution

Interface design of mobile application and web application

Requirement Specification

■ **Functional requirements**

- – *User Registration and Authentication*

- – *Menu Browsing and Item Selection*

- – *Customization and Special Instructions*

- – *Cart Management*

- – *Admin Dashboard*

- – *Delivery Management*

Cont..

■ Nonfunctional requirements

– *Performance*

– *Security*

– *Scalability*

– *Reliability*

– *Accessibility*

– *Data Backup and Recovery*

Individual Contribution

Design functions of mobile app development

Methodology

Tools

- **Web Development**
  - *Programming languages*
    - HTML
    - Javascript
    - PHP
    - CSS
  - *Frameworks*
    - Laravel Framework
    - Bootsrap
  - *Database*
    - Xampp,Mysql

- **Mobile App Development**
  - *Programming languages*
    - Java,PHP API
  - *Software*
    - Android studio

Individual Contribution

Backend developing part of web application

Database tables (phpMyAdmin):

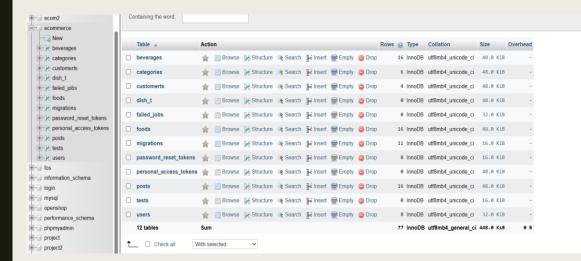| Table	Action							Rows	Type	Collation	Size	Overhead
beverages	★	Browse	Structure	Search	Insert	Empty	Drop	16	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
categories	★	Browse	Structure	Search	Insert	Empty	Drop	6	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
customerts	★	Browse	Structure	Search	Insert	Empty	Drop	4	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
dish_t	★	Browse	Structure	Search	Insert	Empty	Drop	0	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
failed_jobs	★	Browse	Structure	Search	Insert	Empty	Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
foods	★	Browse	Structure	Search	Insert	Empty	Drop	16	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
migrations	★	Browse	Structure	Search	Insert	Empty	Drop	11	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
password_reset_tokens	★	Browse	Structure	Search	Insert	Empty	Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
personal_access_tokens	★	Browse	Structure	Search	Insert	Empty	Drop	0	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
posts	★	Browse	Structure	Search	Insert	Empty	Drop	16	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
tests	★	Browse	Structure	Search	Insert	Empty	Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
users	★	Browse	Structure	Search	Insert	Empty	Drop	8	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
12 tables	**Sum**							**77**	**InnoDB**	**utf8mb4_general_ci**	**448.0 KiB**	**0 B**

```php
Route::get('/form',FormComp::class)->name('form');
Route::get('/dishdetail/{slug}',DishesDetailComponent::class)->name('dishdetail');
Route::get('/beveragedetail/{slug}',BeveragedetailComponent::class)->name('beveragedetail');
Route::get('/',HomeComponent::class)->name('home.index');
Route::get('/foods/{slug}',DetailsComponent::class)->name('foods.details');
Route::get('/addtocart/{name}',AddToCartComponent::class)->name('addtocart');
Route::get('/addtocart',AddToCartComponent::class)->name('addtocart1');
Route::get('/dish',DishComponent::class)->name('dish');
Route::get('/contact',ContactComponent::class)->name('contact');
```

```html
    @endforeach

</div>
<div class="top-re">
    <h2>Top Beverages</h2>
</div>
<div class="table1">
    @foreach($beverages as $beverage)
        <a href="{{route('beveragedetail',['slug'=>$beverage->slug])}}">
        <img src="{{asset('./Images/Restaurants/product-')}}{{$beverage->id}}.jpg" alt="{{$beverage->name}}" height="150">
        <h4>{{$beverage -> name}}</h4><p>{{$beverage->regular_price}}</p>
        </a>
    @endforeach

</div>
<div class="container-grocery">
    <img src="{{asset('./Images/banner/grocery-delivery.png')}}" alt="Norway"
style="width:100%;">
    <div class="text-block">
```
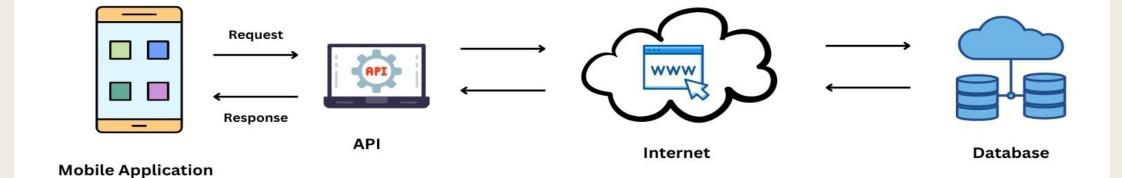
```php
class HomeComponent extends Component
{
    use WithPagination;
    public function store($product_id,$product_name,$product_price){
        Cart::add($product_id,$product_name,1,$product_price)->associate('\App\Models\foods');
        session()->flash('success_message1','Item added in cart');
        return redirect()->route('addtocart');
    }
    public function render()
    {
        $foods=foods::paginate(6);
    //  dd($foods->first());
        $beverages=beverages::paginate(6);
    //dd($beverages->first());
        return view('livewire.home-component',['foods'=>$foods],['beverages'=>$beverages]);
    }
}
```

Web Development

Web Request Responsive Cycle

Mobile App Development

Conclusion

- the online food ordering system is poised to revolutionize the way people
  - *order food,*
  - *offering convenience,*
  - *choice,*
  - *an enhanced customer experience*
- Its aim is to bring together customers, restaurants, and delivery services in a unified platform, creating a win-win situation for all stakeholders involved.

Individual Contribution

API Handle

Group Members

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1. M.U.K.Gunawardhana	ITT/2017/2018/030	0718
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3.M.G.Y.D.Gamage	ITT/2017/2018/028	0716
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Thank You