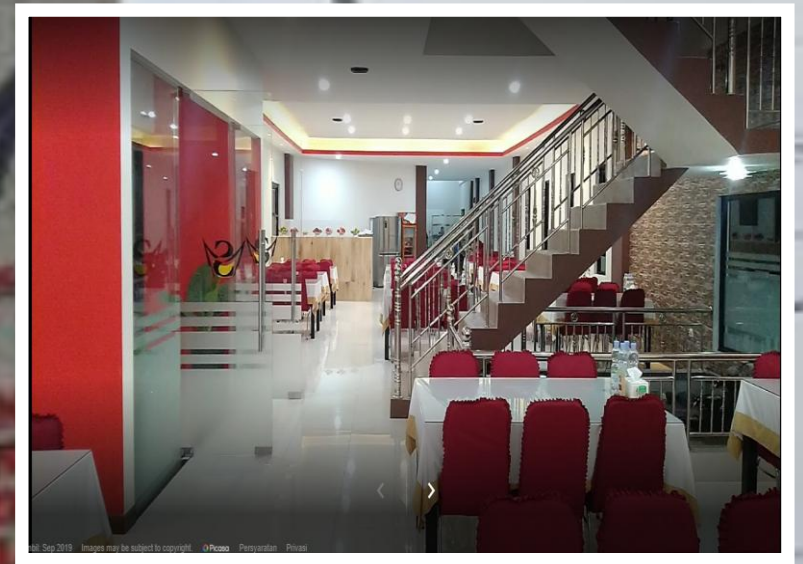


Information system of Rumah Makan Sinar Minang Balige

Created by Kelompok 02



Sinar Minang Restaurant

Patunjuk

Save

4.1 83 ulasan Google

Restoran

Address: Jl. Siborong Borong - Parapat No.2, Sibola Hotangsas, Balige, Kabupaten Toba Samosir, Sumatera Utara

Jam: **Closed** · Opens 09:00 ▾

Telepon: 0812-9464-6807

[Suggest an edit](#)

[Add missing information](#)

[Add website](#)

Know this place? Answer quick questions

Questions & answers

[See all questions \(1\)](#)

Ask a question

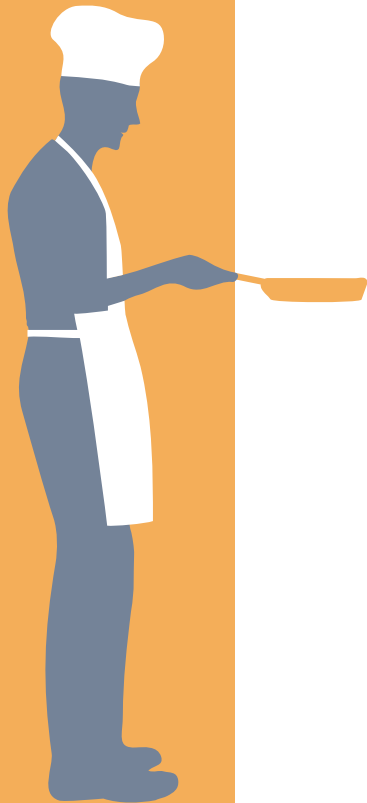
Map data ©2020 200 m

Terms of Use

A photograph of the exterior of the Sinar Minang Restaurant. A black motorcycle is parked in front of the building. The building has a modern design with a mix of brick and concrete. A red and white striped flag is visible on the left side of the building.

A photograph of a variety of Indonesian dishes served in white bowls. The dishes include a large piece of grilled fish, a bowl of green vegetables with red chili, a bowl of red chili sauce, and several other smaller bowls containing different types of food. The presentation is clean and appetizing.

Current System



1 Customer used to spend long time to order food

2 Food took long to be prepare

3 Staff difficult to handle a lot of customer

4 Food is wasted

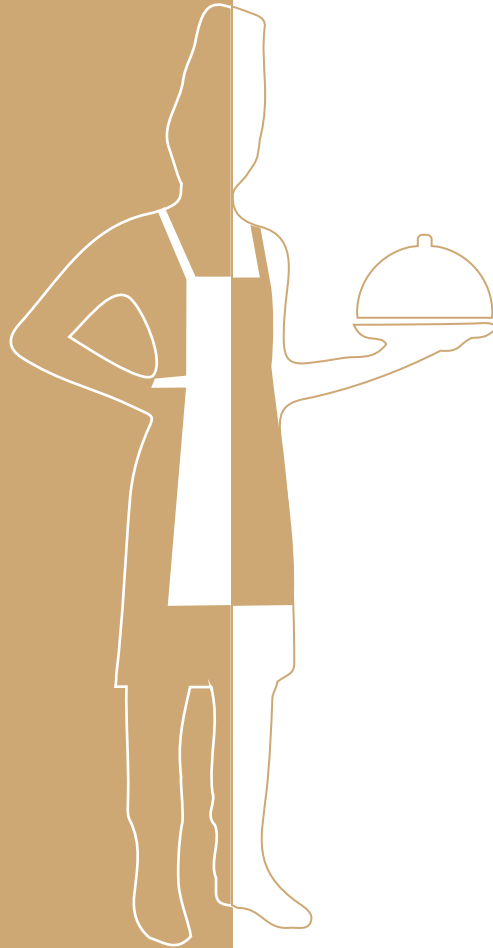


Cooking...

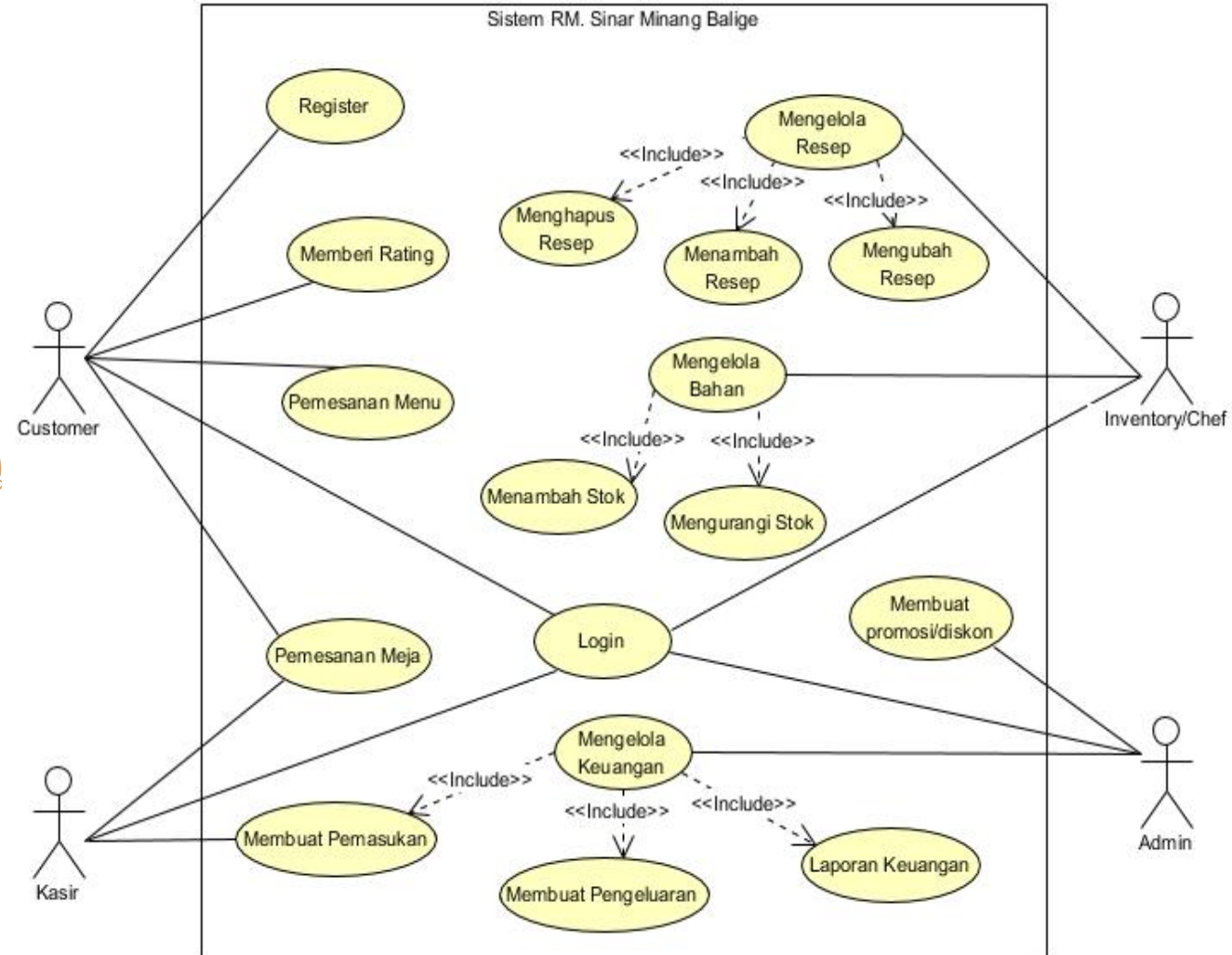


Benefit of New System

- 1 | Business process much easier and faster
- 2 | Enable and courage online order
- 3 | Make it easy to make reservation
- 4 | Grow up the business
- 5 | Recognize inventory system

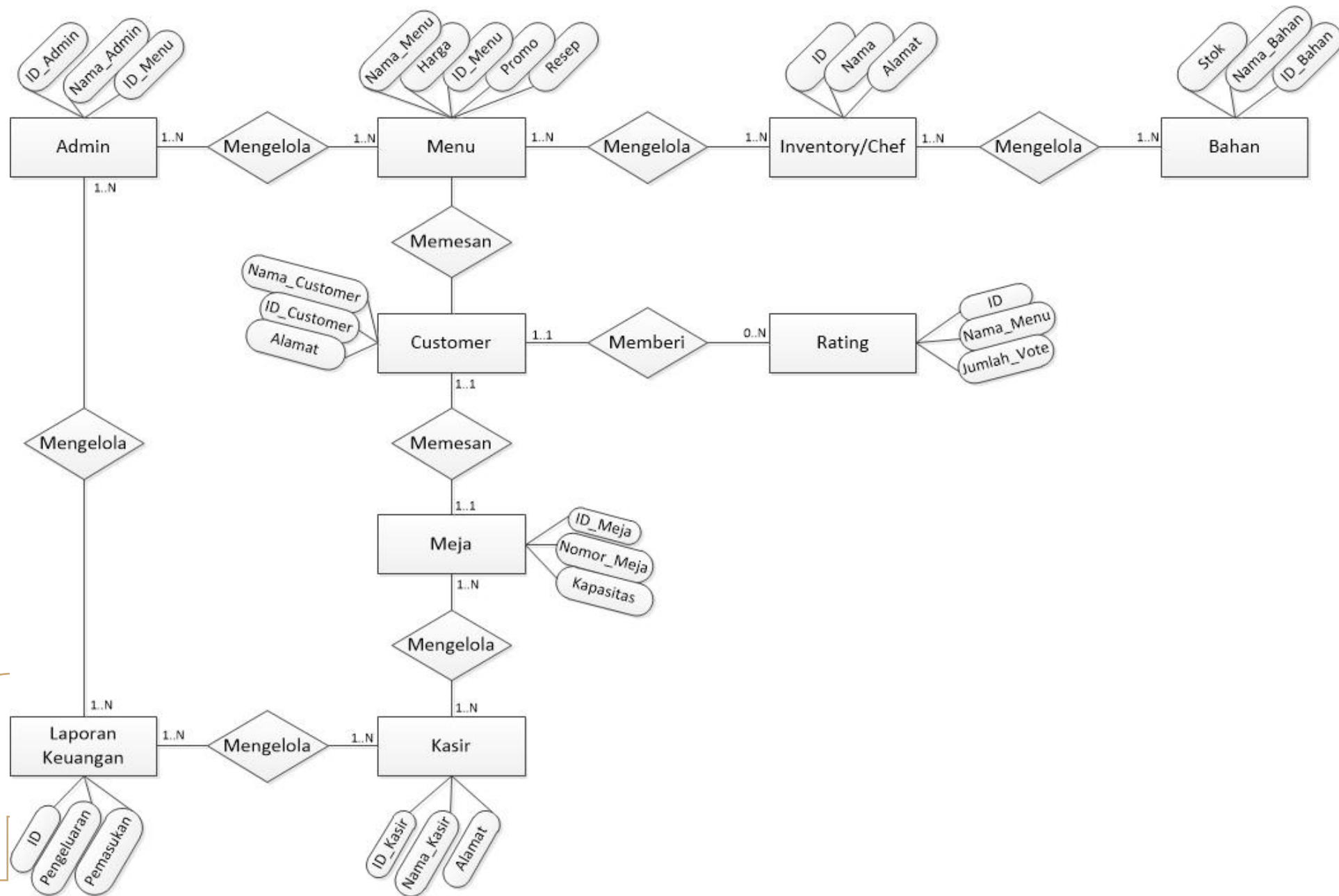


Use Case Diagram Sistem Informasi Rumah Makan Sinar Minang





Entity Relationship Diagram



The Succedd and Fail F u n c t i o n

Succedd Function

General:

Login & Logout
Menu

Customer:

Register
Gallery
Add to cart
Table Reservation

Inventory/Chef:

Recipe Create, View, Delete
Show Ingredients
Edit Inventory Stock

Cashier:

Show Booked Table
Show Income

Admin

Promo Edit, View
Register employees





Fail Function

Customer:

Cancel reservation

Total Cart

Inventory/Chef:

Upload Recipe Picture

Cashier:

Expenses

Admin:

Report



Application Architecture

- In Information system, application architecture is one of several architecture domains that form the pillars of an enterprise architecture.
- Application architecture describes the behavior of application used in a business, focused on how they interact with each other and with users.
- In laravel, there are several components that support application architecture.
 1. Routes
 2. Controllers
 3. Views
 4. Models





Routes

- Route is a function which manage the mapping between URL and controller.
- In Laravel, route written in a file called web.php
- The directory location is in:
Route > Web.php

```
1  <?php
2  Auth::routes();
3  Route::get('/', 'ContentsController@index');
4  Route::get('/home', 'Auth\UsersController@index');
5  Route::resource('menu', 'MenuController');
6
7  Route::get('/login', 'Auth\UsersController@login_index');
8  Route::get('/register', 'Auth\UsersController@register_index');
9  Route::get('/register-pegawai', 'Auth\UsersController@regisWorker');
10 Route::post('/registerPost', 'Auth\UsersController@register');
11 Route::post('/registerPost-pegawai', 'Auth\UsersController@postWorker');
12 Route::post('/loginPost', 'Auth\UsersController@login');
13 Route::get('/logout', 'Auth\UsersController@logout');
14
15 Route::resource('promo', 'Admin\PromoController');
16
17 Route::resource('reservation', 'Kasir\ReservationController');
18 Route::resource('billing', 'Kasir\BillingController');
```



Controllers

- Controller contains methods for commands that must be performed on the method
- After the route connects controller to the method, then method will return the value for destination URL to go to
- In laravel, the controller directory is in:
app > Http > Controllers
> FileName.php



The screenshot shows an IDE with two panels. The left panel is the 'EXPLORER' view showing a file tree for a project named 'SINAR'. The tree structure is as follows:

- app
 - Console
 - Exceptions
 - Http
 - Controllers
 - Admin
 - Auth
 - Customer
 - InventoryCh...
 - Kasir
 - Auth.rar
 - ContentsCo...
 - Controller.php
 - HomeContr...
 - MenuContro...**
 - Middleware
 - Kernel.php
 - Providers

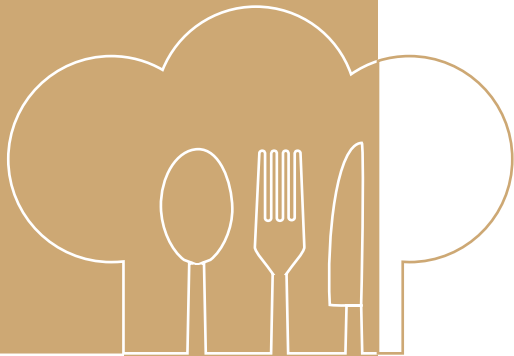
The right panel shows the code for 'MenuController.php'. The code is as follows:

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use DB;
6 use App\Menu;
7 use App\Pesanan;
8 use Illuminate\Http\Request;
9 use App\Http\Controllers\Controller;
10 use Illuminate\Support\Facades\Session;
11
12 class MenuController extends Controller
13 {
14     /**
15      * Display a listing of the resource.
16      *
17      * @return \Illuminate\Http\Response
18      */
19     public function index()
20     {
21         $data = Menu::all();
22         return view('menu', compact('data'));
23     }
24 }
```



Views

- View is a file contains code that will display the web design
- In laravel, the view directory is inside:
Resources > Views > ViewName.php
- View can use blade function to make it easier.
Resources > Views > View.blade.php



The screenshot shows a code editor with the Explorer sidebar on the left and the index.blade.php file open in the main editor. The Explorer sidebar shows the project structure with the following folders and files:

- EXPLORED
- OPEN EDITORS
 - index.blade.p... U
- SINAR
 - app
 - bootstrap
 - config
 - database
 - public
 - resources
 - assets
 - lang
 - views
 - Admin
 - Auth
 - Customer
 - InventoryChef
 - Kasir
 - layouts
 - Auth.rar U
 - gallery.blade.... U
 - home.blade.p... U
 - index.blade.p... U
 - menu.blade.p... U
 - users.zip U

The main editor shows the content of index.blade.php:

```
1 @extends('layouts.main')
2 @section('title', 'RM. Sinar Minang Balige')
3
4 @section('content')
5     <div id="slides" class="cover-slides">
6         <ul class="slides-container">
7             <li class="text-left">
8                 
9                 <div class="container">
10                     <div class="row">
11                         <div class="col-md-12">
12                             <h1 class="m-b-20"><strong>Welcome To Rumah Makan <b
13                             <p class="m-b-40">Anda puas beritahu teman, Anda tid
14                             </p>
15                             <p><a class="btn btn-lg btn-circle btn-outline-new-w
16                         </div>
17                     </div>
18                 </div>
19             </li>
20             <li class="text-left">
21                 
22                 <div class="container">
23                     <div class="row">
24                         <div class="col-md-12">
25                             <h1 class="m-b-20"><strong>Welcome To Rumah Makan <b
26                             <p class="m-b-40">Anda puas beritahu teman, Anda tid
27                             </p>
```



Models

- Model is one of the component that is directly related to the database
- Model is presented tables and contains attributes that become columns in the database table
- In laravel, model directory is in:

app > Http >
ModelName.php

```
EXPLORER
└─ OPEN EDITORS
   └─ User.php app U
└─ SINAR
   └─ app
      └─ Console
      └─ Exceptions
      └─ Http
      └─ Providers
      └─ Bahan.php U
      └─ Customer.php U
      └─ Laporan.php U
      └─ Meja.php U
      └─ Menu.php U
      └─ Pegawai.php U
      └─ Pesanan.php U
      └─ User.php U
      └─ bootstrap
      └─ config
      └─ database
      └─ public
      └─ resources

app > User.php
1  <?php
2
3  namespace App;
4
5  use Illuminate\Database\Eloquent\Model;
6  use Illuminate\Notifications\Notifiable;
7  use Illuminate\Contracts\Auth\MustVerifyEmail;
8  use Illuminate\Foundation\Auth\User as Authenticatable;
9
10 class User extends Authenticatable Implements MustVerifyEmail
11 {
12     use Notifiable;
13
14     protected $table = 'users';
15     protected $primaryKey = 'id';
16     /**
17      * The attributes that are mass assignable.
18      *
19      * @var array
20      */
21     protected $fillable = [
22         'email', 'password'
23     ];
```



Thank you

Link presentasi : <https://youtu.be/1TzgjfjSS-g>

Link demo : <https://youtu.be/jD5zw9EzYpQ>