

Software Architecture - Portfolio Website Builder

Overview

The Portfolio Website Builder allows users to create their own portfolio website. Users can register, log in, choose a template, and fill in personal details (name, image, skills, etc.). The system follows the **MVC (Model-View-Controller)** architecture.

3. Database (Model - MySQL/Firebase)

- Stores user details, selected templates, and portfolio data.
- Tables/Collections:
 - users (id, email, password, profile data)
 - portfolios (id, user_id, template_id, data)
 - templates (id, name, layout_data)

Workflow

- 1. User Registration & Login**
 - Users sign up and log in.
- 2. Template Selection**
 - Users browse available templates and select one.
- 3. Portfolio Creation**
 - Users input personal details (name, skills, projects, etc.).
 - Data is saved to the database.
- 4. Portfolio Preview & Publish**
 - Users can preview their portfolio before publishing.
 - The system generates a live URL for their portfolio.

API Endpoints

Method	Endpoint	Description
POST	/api/auth/register	User Registration
POST	/api/auth/login	User Login
GET	/api/templates	Fetch Available Templates

Method	Endpoint	Description
POST	/api/portfolio	Save Portfolio Data
GET	/api/portfolio/:id	Get User Portfolio

Conclusion

This system allows users to easily create their own portfolio websites using pre-made templates.