

Career Guidance System (Rewritten Documentation)

What This Project Is About

The **Career Guidance System** is a smart web-based platform designed to help individuals discover the most suitable career path based on their skills, interests, personality traits, and working style. It provides personalized career recommendations and even helps create a basic resume.

There are two types of users: - **Regular Users** – Individuals seeking career advice. - **Admins** – Users who manage site content such as careers, skills, and user accounts.

Key Features

For Regular Users

- **Account Registration & Login**
- **Personal Profile Management**, including:
 - Academic information (university, major, GPA, graduation year)
 - Skill selection with searchable skill list
 - Personality and interest quiz
 - Work experience summary
 - Projects summary
- **Career Recommendations** with:
 - Compatibility score
 - Suggested skills to learn
 - Success prediction percentage
- **Resume Builder** – Generate a simple resume from profile details

For Admins

- **Admin Login** (separate from user login)
 - **Career Management** – Add/edit/delete careers
 - **Skill Management** – Add/edit/delete skills
 - **User Management** – View/delete user accounts
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Technologies Used

Frontend

- HTML

- CSS
- JavaScript

Backend

- PHP

Database

- MySQL
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Project Structure

```
CareerGuidanceSystem/
├── admin/
│   ├── dashboard.php
│   ├── manage_careers.php
│   ├── manage_skills.php
│   └── manage_users.php
├── algorithms/
│   ├── association_rule_mining.php
│   ├── career_scoring.php
│   └── linear_regression.php
├── assets/
│   ├── css/style.css
│   └── js/script.js
├── backend/
│   ├── process_admin_login.php
│   ├── process_login.php
│   └── process_registration.php
├── config/config.php
└── user/
    ├── dashboard.php
    ├── generate_resume.php
    ├── profile.php
    └── recommendations.php
├── admin_login.php
├── index.php
├── login.php
├── logout.php
└── register.php
└── database_schema.sql
```

How to Run This Project

You can run this project using **XAMPP** or using **Docker** (recommended for easiest setup).



How to Run with Docker (Easiest Way)

Running this project using Docker means you **don't need to configure XAMPP manually**.

Prerequisites

Make sure you have **Docker Desktop** installed and running.

Steps

1. Open your **terminal** or **command prompt**.
2. Navigate to the **docker** folder inside the project:

```
cd docker
```

3. Start the application using Docker Compose:

```
docker-compose up -d --build
```

4. Open your browser:
5. Application: <http://localhost:8080>
6. phpMyAdmin: <http://localhost:8081>

Database Login Details

- **Server:** db
- **Username:** root
- **Password:** rootpassword

The database and system will be automatically configured — no manual setup needed.

Stopping the App

To stop the system, run:

```
docker-compose down
```

How to Run with XAMPP (Manual Setup)

Prerequisites

- XAMPP
 - Web browser
 - Text editor (VS Code, Notepad++, etc.)
 - Git (optional)
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Windows Installation Steps

1. Install and open **XAMPP**.
2. Copy the **CareerGuidanceSystem** folder into:

```
C:\xampp\htdocs
```

3. Change MySQL port to **3307** in *my.ini*.
4. Start **Apache** and **MySQL** from the XAMPP Control Panel.
5. Go to <http://localhost/phpmyadmin/> and create a database named:

```
career_guidance_db
```

6. Open the `database_schema.sql` file and run its contents inside phpMyAdmin.
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macOS Installation Steps

1. Install and open **XAMPP**.
2. Copy the project into:

```
/Applications/XAMPP/xamppfiles/htdocs/
```

3. Change MySQL port to **3307** in *my.cnf*.
 4. Start Apache and MySQL.
 5. Create database and import `database_schema.sql` using phpMyAdmin.
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Running the Application (XAMPP Version)

After setup, open:

`http://localhost/CareerGuidanceSystem/`

You will see the homepage of the Career Guidance System.

Using the Website

Initial Access

- Home Page: `/index.php`
- Register: `/register.php`
- User Login: `/login.php`
- Admin Login: `/admin_login.php`

Creating an Admin Account

1. Register a normal account.
 2. Go to phpMyAdmin → `career_guidance_db` → `users` table.
 3. Edit your user and change **role** from `user` to `admin`.
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User Dashboard

- Update profile information
 - Select skills
 - Complete quiz
 - View personalized recommendations
 - Generate resume
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Admin Dashboard

- Manage careers
 - Manage skills
 - Manage users
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Future Enhancements (Suggestions)

- Add admin control for quiz questions
 - Rich text editors for inputs
 - Machine learning-based recommendation improvements
 - Visual charts in dashboard
 - Password reset system
 - Integration with job APIs
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End of Documentation