

# CareerUp

Resume Builder & Learning Companion

Batch 4

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# Abstract

- ◆ The proposed application is a career development tool that assists individuals in various aspects of their professional growth.
- ◆ Features include resume building, college searching, coding contest information, learning roadmaps, and skill performance analysis.
- ◆ The **resume builder** feature offers pre-designed templates for quick and easy resume creation.
- ◆ The **college search feature** allows users to search for colleges based on preferences such as rank and location.
- ◆ The **coding contest information feature** provides details on upcoming and happening coding contests around the world.
- ◆ The **learning roadmap feature** provides a list of learning resources for different programming languages and tools, and allows users to track their progress.
- ◆ The **skill performance analysis feature** assesses users' skills and provides personalized feedback on areas for improvement.

# Problem Statement

-  Many people may not be familiar with the best practices for creating an effective resume, such as the appropriate format, style, and content to include and it is time-consuming
-  Need for a single platform that offers a range of tools to help users build their career
-  It can be challenging for students to stay updated on coding contests and other opportunities to develop their skills

# Existing System

- ◆ There are websites that creates Resume online. Websites like zety.com, resume.io etc
- ◆ Many coding contests are held daily in multiple platforms but there is no such platform which provides the coding contests information
- ◆ There are websites like collegefinderindia.com, careerindia.com helps the user in finding colleges. Websites like roadmap.sh and techgig.com provides roadmaps and provides tests to check the user's skill performance
- ◆ But there is no platform that provides all these features at one place

# Proposed System

- ◆ The System provides resume-builder, coding-contest information, skill performance analyser ,roadmaps for learning new skills , finding colleges based on student rank and preferences all at one place.
- ◆ The student can fulfill all their needs at one place they can take guidance from roadmaps to learn any new skill and also can take test and know how good they are in the chosen field. The student can also check which contests are happening around the platforms.

# Software Requirements

- ◆  Internet explorer version  $\geq 6$
- ◆  Google chrome version  $\geq 4$
- ◆  Mozilla FireFox version  $\geq 2$

# Hardware Requirements

- ◆ Processor : Recommended i3 Gen 5 or above
- ◆ Memory : Minimum 4GB
- ◆ Internet
- ◆ Graphic card

# Advantages

- ◆ Personalized guidance
- ◆ Time-saving
- ◆ Easy access to learning resources
- ◆ Career-focused
- ◆ Competitive edge

# Modules

- ◆ User Management Module
- ◆ Resume Builder Module
- ◆ College Search Module
- ◆ Coding Contest Information Module
- ◆ Learning Roadmap Module
- ◆ Skill Performance Analysis Module
- ◆ Admin Module

## User Management Module

- ◆ Responsible for user registration, login, and authentication
- ◆ Manages user profiles and preferences.
- ◆ Handles account settings and password management

## Resume Builder Module

- ◆ Provides functionality for creating and editing resumes.
- ◆ Offers pre-designed resume templates for easy customization.
- ◆ Includes features such as inputting information, automatically adding the completed course as skill and previewing the resume.

## College Search Module

- ◆ Allows users to search for colleges based on criteria such as rank, location, and program offerings.
- ◆ Provides detailed information about colleges, including admission requirements, campus facilities, and contact details.

## Learning Roadmap Module

- ◆ Presents a structured learning path.
- ◆ Allows users to track their progress and mark completed resources.
- ◆ Suggests personalized learning paths based on user preferences and skill levels.

## Skill Performance Analysis Module

- ◆ Evaluates users' skills in various programming languages and tools.
- ◆ Provides personalized feedback and recommendations for improvement.
- ◆ Tracks skill development over time and allows users to set goals and monitor progress.

## Admin Module

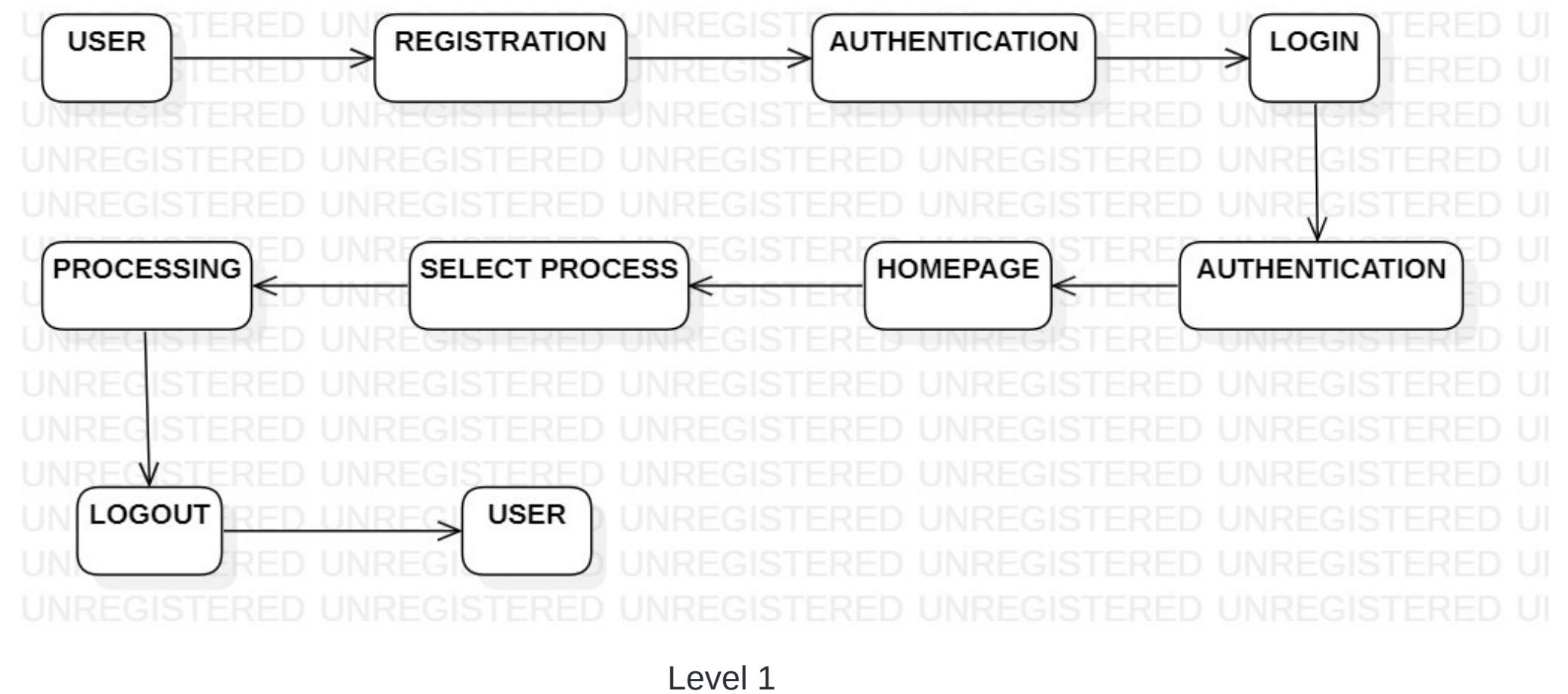
- ◆ Enables administrators to manage user accounts, access control, and system settings.
- ◆ Allows administrators to view and analyze user data.

## Coding Contest Information Module

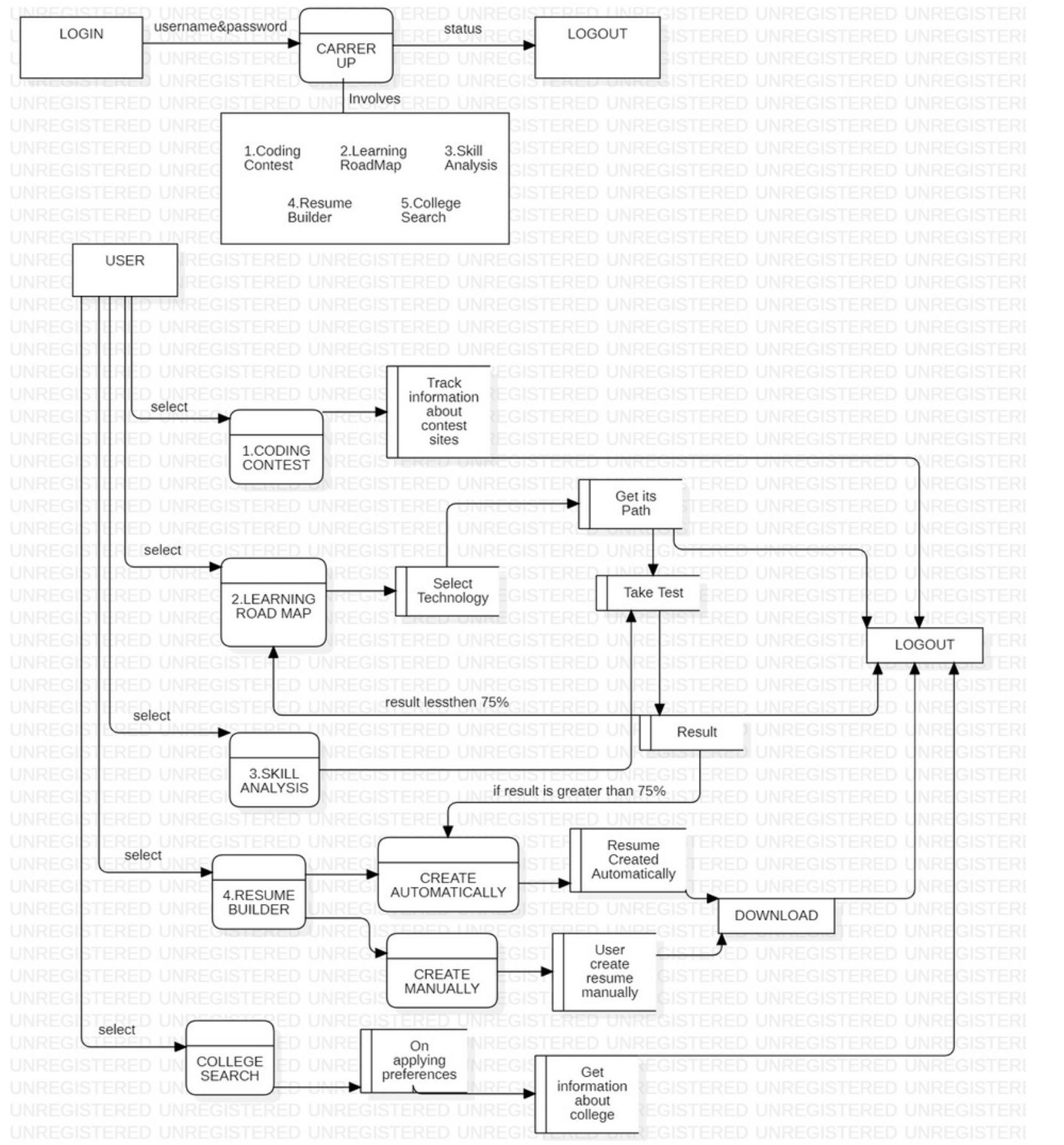
- ◆ Integrates with external APIs or databases to fetch information about coding contests.
- ◆ Displays upcoming contests, deadlines, rules, and registration details.

# System Design

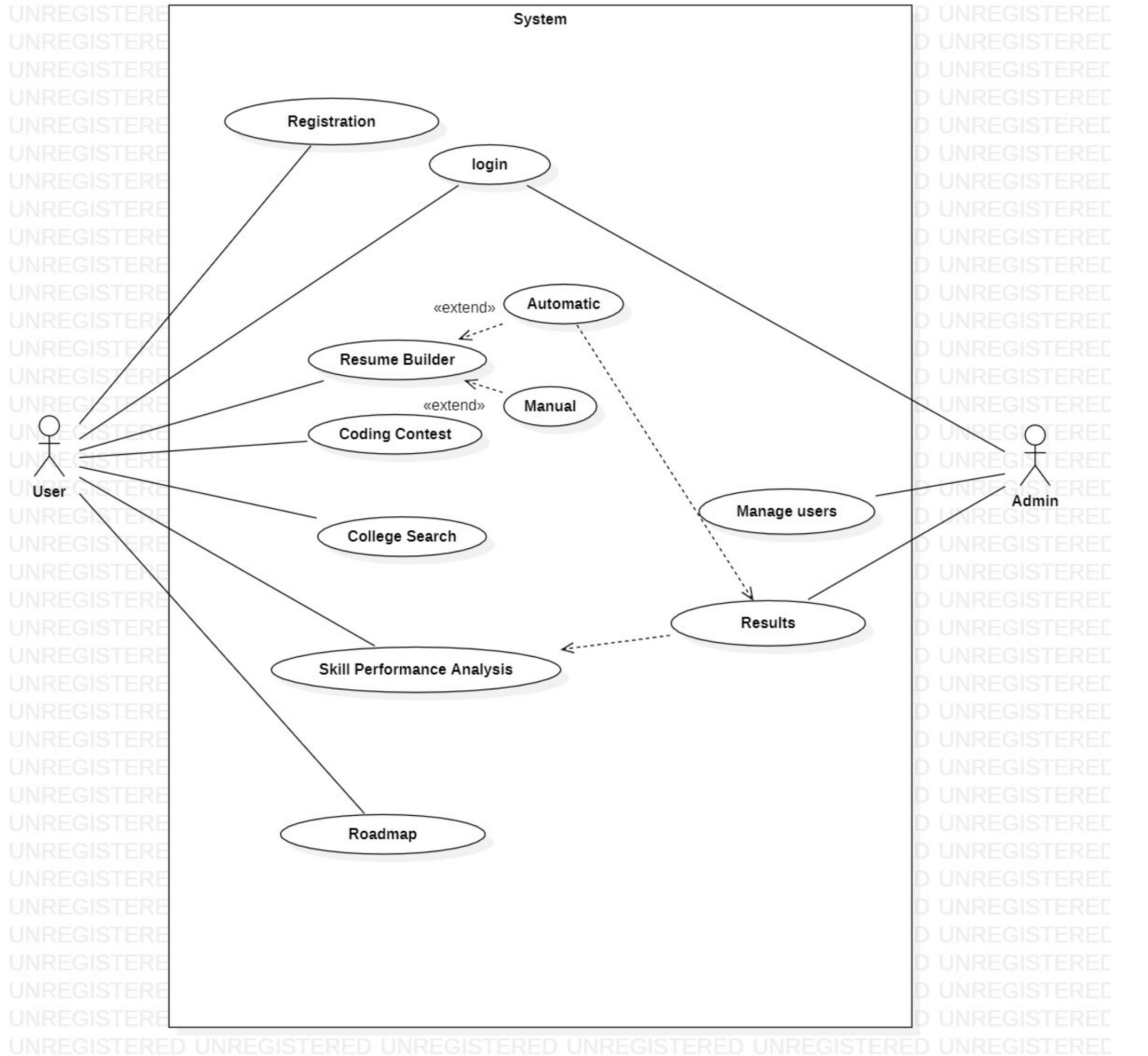
# Data Flow Diagram



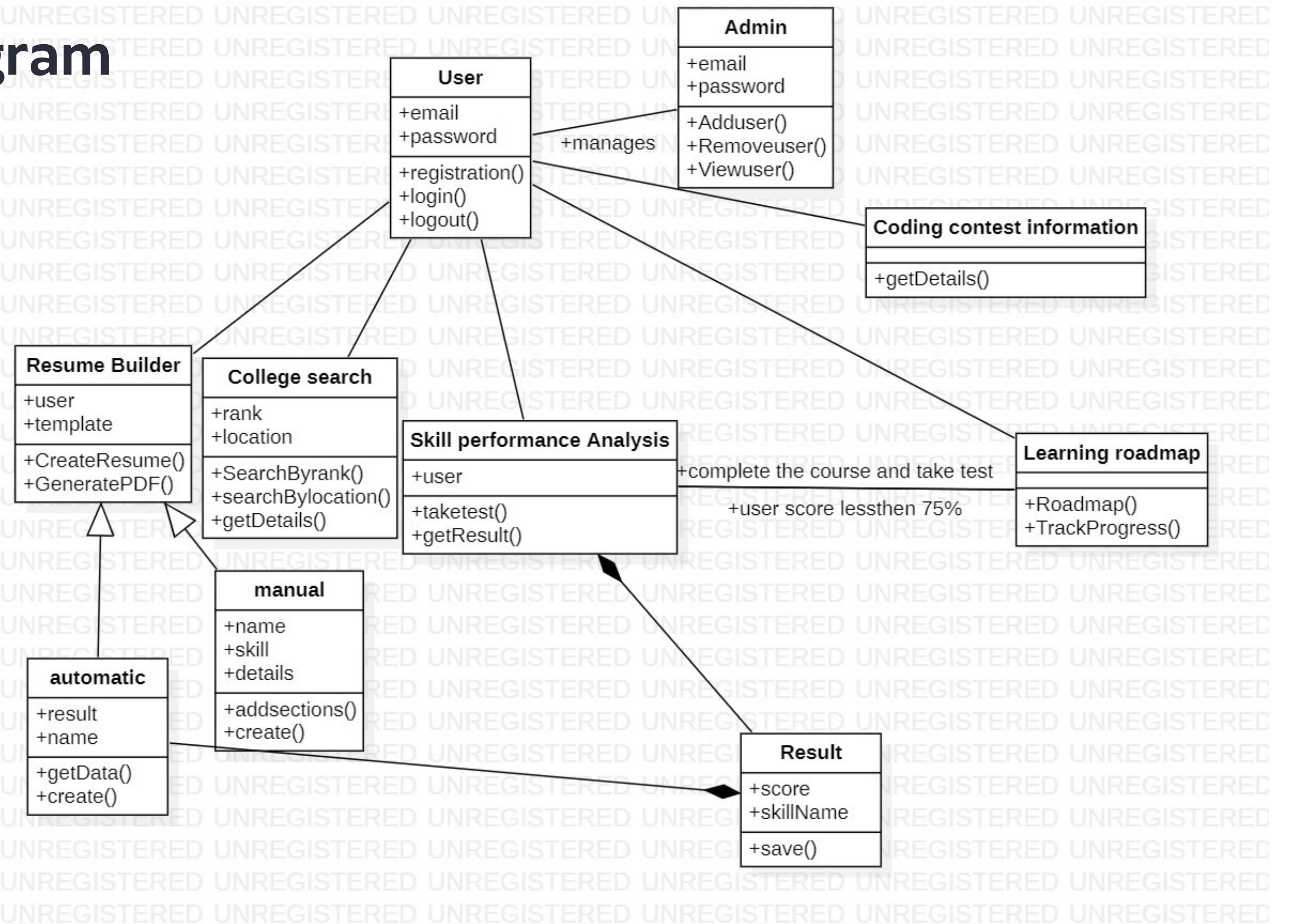
# Data Flow Diagram



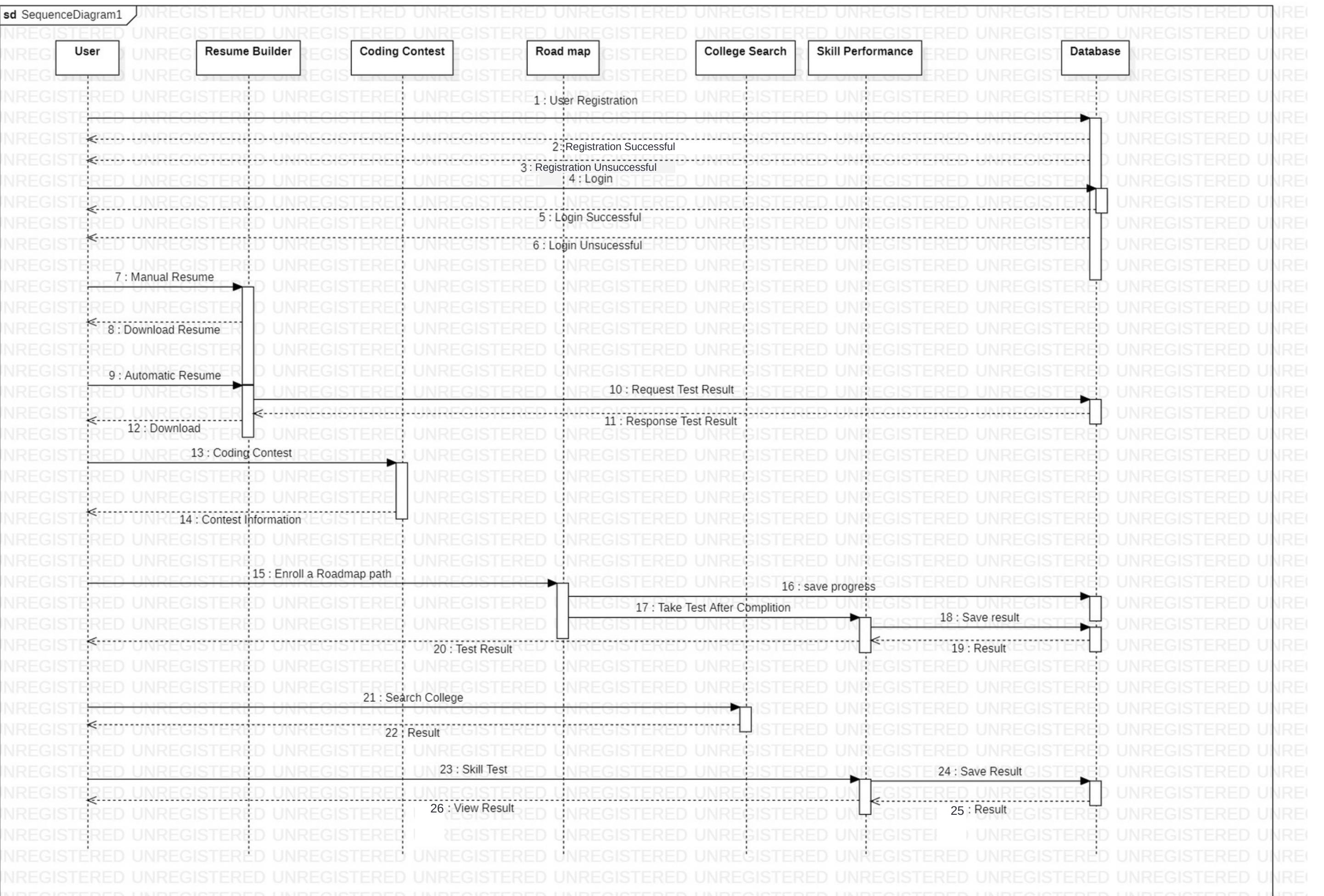
# Usecase Diagram



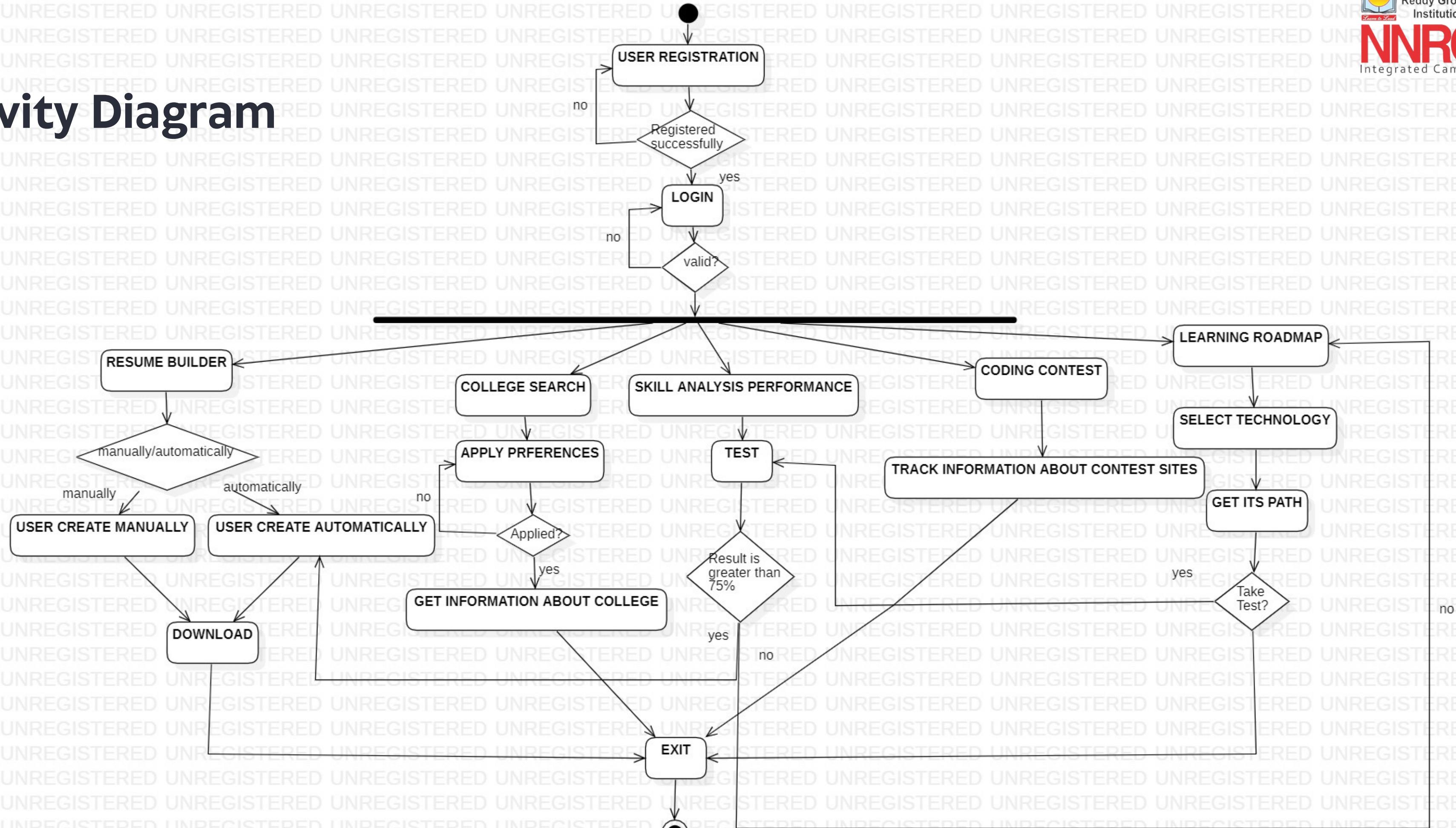
# Class Diagram



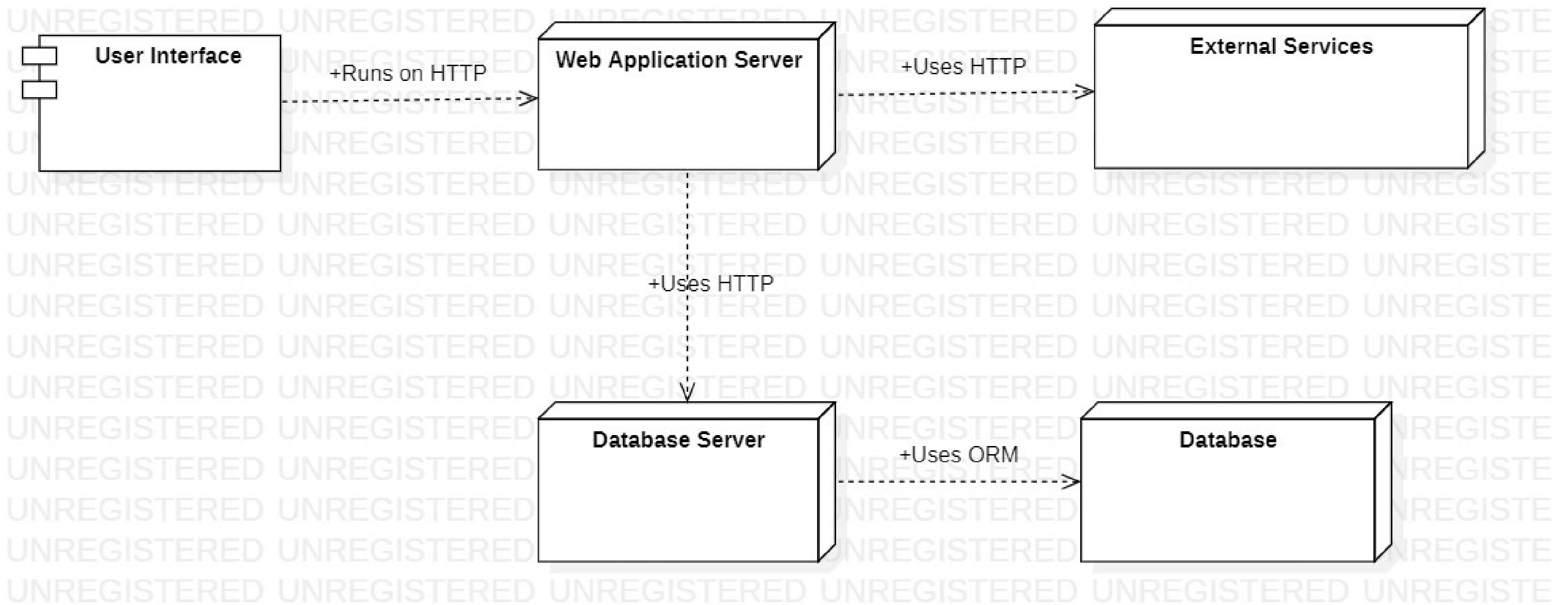
# Sequence Diagram



# Activity Diagram



# Deployment Diagram



# Code & Testing Phase

# Register

**CareerUp**

[Login](#) [Sign Up](#)

**CareerUp**

First Name  Last Name

Occupation  Mobile Number

Address

Education

Secondary School  High School  Graduation

Job Info if any (Max 3)

Company Name  Company Name  Company Name

Email Address

Password

**Create Account**

Have Account ? [Login](#)

# Login

**CareerUp**

[Login](#)   [Sign Up](#)

**CareerUp**

Email Address

Password

**Login**

[Create Account](#) ? [SignUp](#)

# Resume Builder

CareerUp

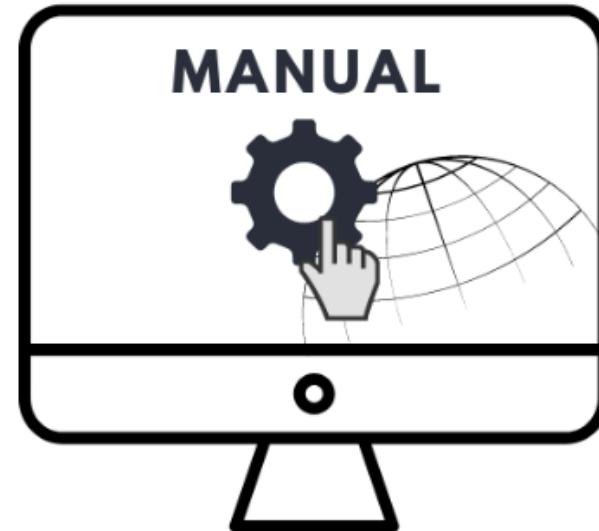
Resume Builder

Take Test

Coding Contests

College Finder

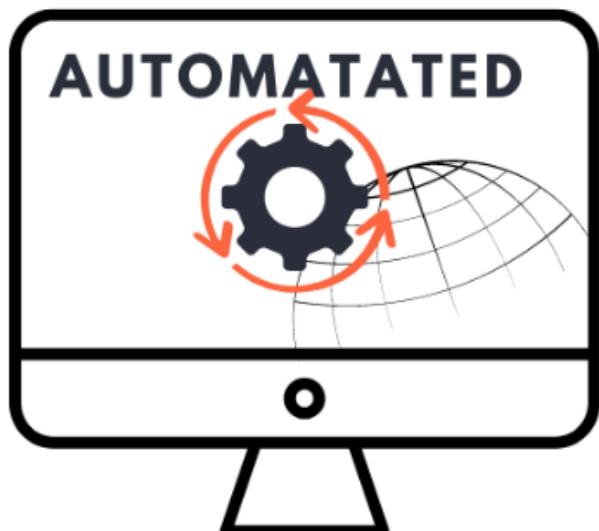
Road Maps



## Manual Resume

The choice is user's to create the resume.  
User should enter the required information  
to create the resume.

Manual



## Automatic Resume

The user must take a test and maintain  
above 70% in that test to generate a  
resume automatically.

Automatic

# Skill Analysis

**CareerUp**

Resume Builder    Take Test    Coding Contests    College Finder    Road Maps    

- Frontend Development
- Backend Development
- Fullstack Development
- Android Development
- Blockchain Development
- DevOps
- Data Structures
- Artificial Intelligence (AI)
- Cloud Computing



# Roadmaps

**CareerUp**

Resume Builder   Take Test   Coding Contests   College Finder   **Road Maps**   

- Frontend Development
- Backend Development
- Fullstack Development
- Android Development
- Blockchain Development
- DevOps
- Data Structures
- Artificial Intelligence (AI)
- Cloud Computing



The logo features a circular design with a white background. Inside the circle, there is a small illustration of a person sitting at a desk with a laptop. Below the person, three black dots are connected by lines to form a triangular path. To the right of the triangle is a red location pin. The text "CareerUp" is written in a large, bold, sans-serif font, with the "U" being orange. Below it, the word "ROADMAPS" is written in a smaller, bold, sans-serif font.

# Test Cases

Test ID	Test Case	Description	Steps	Expected Outcome	Actual Outcome	Test Status
T_01	Successful Registration	Test successful user registration with valid information.	1. Render registration component. 2. Fill in valid details. 3. Click submit button.	User should be registered successfully.	User should be registered successfully.	Success
T_02	Registration with Existing Email	Test registration with an existing email in the system	1. Render registration component. 2. Use an existing email. 3. Click submit button.	User should not be registered. Error displayed.	User should not be registered. Error displayed.	Success
T_03	Successful Login	Test a successful login with valid email and password.	1. Render login component. 2. Enter valid credentials. 3. Click login button.	User should be logged in successfully and redirected to the home page.	User should be logged in successfully and redirected to the home page.	Success
T_04	Login with Invalid Credentials	Test logging in with invalid email or password.	1. Render login component. 2. Enter invalid credentials. 3. Click login button	User should not be logged in. Error message displayed.	User should not be logged in. Error message displayed.	Success
T_05	Roadmap	Test successful Successfully opened.	1. Select Roadmap. 2. Select Course. 3. Complete.	User should be successfully complete.	User should be successfully complete.	Success
T_06	Roadmap failed	Test Unsuccessful.Cannot complete	1. Select Roadmap. 2. Select Course. 3. CannotComplete.	User should not be registered. Error displayed.	User should not be registered. Error displayed.	Unsuccess
T_07	Take Test successfull	Test successful user selects a course and takes test	1.Select Course 2.Take Test 3.Result	User Should complete the test and can be able to see result	User Should complete the test and can be able to see result	Success
T_08	Calculate Result And Navigate On Submit	Calculate Result and Navigate on Submit	1. Render the <b>SkillTestComponent</b> . 2. Mock necessary dependencies and data. 3. Select answers for questions. 4. Click "Submit".	Component calculates the result, sets the result state, and navigates to the result page.	Component calculates the result, sets the result state, and navigates to the result page.	Success

Test ID	Test Case	Description	Steps	Expected Outcome	Actual Outcome	Test Status
T_09	Automatic Resume Successful	Test successful user should be able to open auto resume page if the user has enough skills.	1.Select a Theme 2.Select Position 3.Create Resume	User should be successfully create Resume.	User should be successfully create Resume.	Success
T_10	Automatic Resume unsuccessful	Test unsuccessful user did not have enough skills to build automatic resume.	1.Open Automatic Resume 2.Redirect to Take Test	User should be redirected to skill test	User should be redirected to skill test	Success
T_11	Form Submission With Valid Data and Create Resume (Manual)	Submit the form with valid data and create Resume.	1.Fill the form 2.Submit the form 3.Create and Download Resume	The form should be submitted, and the user should be redirected to the selected theme page.	The form should be submitted, and the user should be redirected to the selected theme page.	Success
T_12	Form Submission With Missing Data	Attempt to submit the form with missing data.	1.Fill the form with missing data 2.Submit the form 4.Error displayed	User should be able to see error	User should be able to see error	Unsuccessful
T_13	Filtering Colleges by Gate Rank and Location	Filters colleges based on gate rank and location	1.Enter "600" in Gate Rank. 2.Choose "Chennai" from Location. 3.Check the displayed colleges table.	Show only Chennai colleges with a gate cutoff of 600 or higher, and ensure their location is set to "Chennai."	Show only Chennai colleges with a gate cutoff of 600 or higher, and ensure their location is set to "Chennai."	Success
T_14	Display Coding Contests	This test case verifies if the component correctly displays the list of coding contests with their details.	1.Open the Coding Contest component. 2.Review the displayed coding contests. 3.Validate contest names, start times, end times, durations, and external links for accuracy.	Display coding contests with name, start time, end time, duration, and an external link button. The button should link to the contest's external URL.	Display coding contests with name, start time, end time, duration, and an external link button. The button should link to the contest's external URL.	Success
T_15	Successful Logout	Verify that the user can successfully log out of the application.	1. Login to the application with valid credentials. 2. Click on the "Logout" button or navigate to the logout page. 3. Observe the application's response.	After clicking the "Logout" button, the user should be logged out.The user should be redirected to the login page or a confirmation page.	After clicking the "Logout" button, the user should be logged out.The user should be redirected to the login page or a confirmation page.	Success

# Conclusion

- ◆ In conclusion, the proposed web application is a valuable tool for individuals seeking to develop their careers and educational goals. Its features, including resume building, college searching, coding contest information, learning roadmaps, and skill performance analysis, provide personalized guidance and easy access to learning resources.
- Despite potential disadvantages, the web application offers a comprehensive solution for career and educational planning.

# Thank You