Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
Department of Information Technology
Session 2024-25

Students Kit

Project Title: Car Rental Application

Requirements Specification (RS)

No.	Requirement	Essential / Desirable	Description of the Requirement	Remarks
RS1	User Authentication	Essential	Implement secure login/signup functionality for users to access and manage their resumes.	-
RS2	Resume Template Management	Essential	Allow users to choose from a variety of pre-designed resume templates.	-
RS3	Resume Builder	Essential	Enable users to enter and update personal, educational, and professional information to build a resume.	-
RS4	Download/Export Resume	Essential	Provide functionality to download the resume in PDF/Word formats.	-
RS5	User Profile Management	Desirable	Enable users to edit profile information, save multiple resumes, and manage document history.	Consider for extra functionality.
RS6	Admin Dashboard	Desirable	Admin panel to manage templates, moderate user content, and view analytics.	Consider for extra functionality.

Database Fields Specification

Resume_Info

No.	Field Name	Range of valid values for the field	Remarks
1	Resume ID	Alphanumeric, unique identifier	Primary key
2	User ID	Alphanumeric	Foreign key from User_Info
3	Template ID	Alphanumeric	Foreign key from Template_Info
4	Title	Alphanumeric	Title of the resume (e.g., "John Developer")
5	DownloadFormat	Enumerated (PDF, DOCX)	Selected export format

User_info

No.	Field Name	Range of valid values for the field	Remarks
1	User id	Alphanumeric, unique identifier	Primary key
2	Username	Alphanumeric	Unique username for login`
3	Password	Alphanumeric	Encrypted password for user authentication
4	Email	Alphanumeric (Email format)	User's email address
5	FullName	Alphanumeric	User's full name
6	Phone	Numeric	User's contact number
7	Address	Alphanumeric	User's residential address
8	PaymentMethod	Alphanumeric	Preferred payment method (Credit card, PayPal, etc.)
9	UserType	Enumerated (User/Admin)	Type of user (Admin privileges for administrative users)

Template_Info:

No.	Field Name	Range of valid values for the field	Remarks
1	TemplateID	Alphanumeric, unique identifier	Primary key

2	TemplateName	Alphanumeric	Name/label of the template
3	Category	Enumerated (Creative, Formal, Modern, etc.)	Type/style of template
4	PreviewURL	URL	Link to template preview image
5	IsActive	Boolean (0/1)	Indicates if template is available

Resume_Section

No.	Field Name	Range of Valid Values	Remarks
1	SectionID	Alphanumeric, unique identifier	Primary key
2	ResumeID	Alphanumeric	Foreign key from Resume_Info
3	SectionType	Enumerated (Education, Experience, Skills, Projects, etc.)	Type of resume section
4	Content	Text	JSON or text content of the section

High Level/Detailed Design (HLD/DD)

Design Components

Admin User:

- Login Screen

- Template Management

- User Management

- Reports and Analytics

- Resume Review and Moderation

End User (Resume Builder User):

- User Registration/Login Screen

- Resume Creation Wizard

  o Personal Info

  o Education

  o Work Experience

  o Projects

  o Skills

  o Certifications / Achievements

- Template Selection Interface

- Resume Preview & Export (PDF/Word)

- Profile Management (Edit Info, Manage Saved Resumes)

Test-Plan (TP)

No.	Test Case Title	Description	Expected Outcome	Requirement Being Tested	Result
1	User Registration	Tests the registration process for a new user	Successful registration; confirmation message/email sent	User Authentication	Pass
2	Login Authentication	Validates login using correct credentials	User is redirected to dashboard	User Authentication	Pass

3	Template Selection	Verifies that users can browse and select resume templates	Templates load correctly and can be selected	Resume Template Management	Pass
4	Resume Builder	Tests resume data entry and section creation	Data saved; sections added/edited as expected	Resume Builder	Pass
5	Resume Export	Checks ability to export resume in selected format (PDF/DOCX)	Resume file downloads correctly	Download/Export Resume	Pass
6	Admin Dashboard Access	Verifies admin can login and access dashboard features	Admin can manage templates and users	Admin Dashboard	Pass
7	Template Management	Tests template addition, update, and deletion by admin	Templates are updated and reflected for users	Admin Dashboard	Pass
8	Resume Moderation	Admin reviews flagged or reported resumes (if applicable)	Resume content can be reviewed and flagged as needed	Admin Dashboard	Pass
9	Report Generation	Tests analytics/report generation on user/resume activity	Reports show correct metrics	Reports and Analytics	Pass