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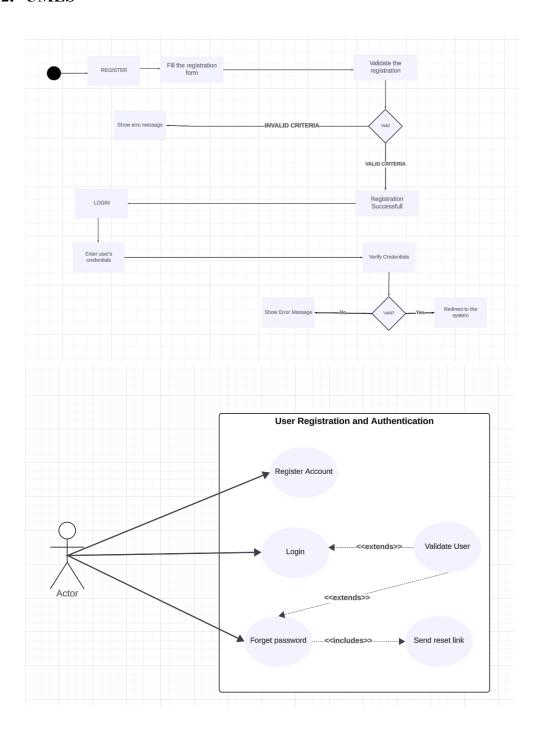
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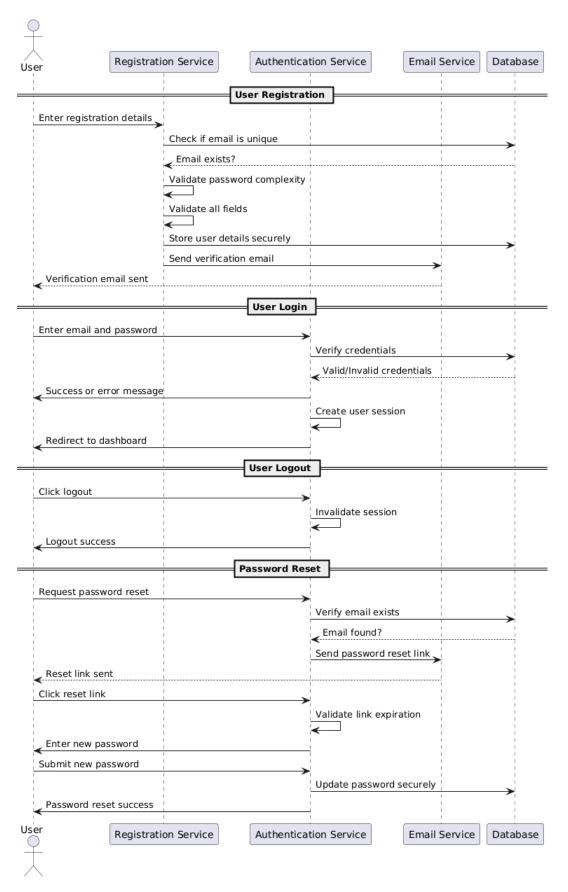
User Registration and Authentication

Req. Code	Req. Description	Use Case
URA-F- 1.0	The system shall allow new users to register an account.	User Registration
URA-F- 1.1	The system shall require a unique email for each user account.	User Registration
URA-F- 1.2	The system shall require a password that meets defined complexity criteria (e.g., minimum length, uppercase/lowercase, numbers, special characters).	User Registration
URA-F- 1.3	The system shall require password confirmation during registration.	User Registration
URA-F- 1.4	The system shall validate all registration fields to ensure required information is provided and is in the correct format.	User Registration
URA-F- 1.5	The system shall store user registration information securely in a database.	User Registration
URA-F- 1.6	The system shall send an email to the registered email address.	User Registration
URA- UR-1.7	The system shall provide appropriate error messages to the user during registration if validation fails.	User Registration
URA-F- 1.8	The system shall allow registered users to log in with their email and password.	User Login

URA-F- 1.9	The system shall verify user credentials against stored data.	User Login
URA-F- 1.10	The system shall allow users to login using password-based authentication.	User Login
URA- NF-1.11	The system shall implement secure password handling by not storing passwords in plaintext.	User Login
URA-F- 1.12	Upon successful login, the system shall create a session for the logged-in user.	User Login
URA-F- 1.13	Upon successful login, the system shall redirect the user to the appropriate default page.	User Login
URA-F- 1.14	The system shall allow logged-in users to log out securely.	User Logout
URA-F- 1.15	The system shall invalidate user session after logging out.	User Logout
URA- UR-1.16	The system shall display an error message to the user if login fails (invalid username/password).	User Login
URA-F- 1.17	The system shall provide a "Forgot Password" feature.	Password Reset
URA-F- 1.18	The system shall send a password reset link (or code) to the user's registered email address.	Password Reset
URA-F- 1.19	The system shall allow users to reset their password using the received link (or code).	Password Reset
URA-F- 1.20	The system shall ensure the password reset link is time limited.	Password Reset

URA- NF-1.21	The system shall encrypt sensitive data, like passwords, at rest and in transit.	Security
URA- NF-1.22	The system shall protect against common security vulnerabilities (e.g., SQL injection, cross-site scripting).	Security
URA- NF-1.23	The system shall not store passwords or email reset links in plain text	Security
URA- NF-1.24	The system shall protect access to user accounts through strong authentication and authorization	Security
URA- NF-1.25	The system shall respond to user requests (e.g., login, registration)	General
URA- UR-1.26	The system shall provide clear visual feedback to the user during any processing that takes longer than 1 second .	General
URA- UR-1.27	The user interface shall adapt to various screen sizes (desktop, tablet, mobile) without loss of functionality or usability.	General





Code Req. Description Test ID Test Case Description Expected Result Status			<u> </u>	T	T	I
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provided and is in the correct format. The system shall store user registration information securely in a database. The system shall send an email to the user during registration and provide appropriate error messages to the user during registration in to log in with their email and password. The system shall sulvariant stored in the database with hashed password. The system shall provide appropriate error messages to the user during registration in to log in with their email and password. The system shall sulvare registered users user and user during registration in to log in with their email and password. The system shall verify user credentials against stored data. The system shall urrefly user credentials against stored data. The system shall urrefly user credentials against stored in the database after successful tregistration, including the database with hashed database with hashed delivered to the specified email address upon successful users during registration and provide meaningful feedback on the cause of allure. Verify all error messages during registration and provide meaningful feedback on the cause of allure. Attempt to log in with a registered users user invalid email or password. The system shall verify user credentials against stored data. The system shall werify user credentials against stored data. The system shall werify user credentials against stored data. The system shall werify user credentials against stored data. The system shall werify user credentials against stored data. The system shall werify user credentials against stored data. The system shall werify user credentials against stored data. The system shall werify user credentials against stored data. The system shall werify user credentials against stored in the database after successful to the default type. Attempt to login using valid credentials and login should fail. Pass word authentication. The system shall werify user credentials and login should fail. Pass word authentication. The system shall wit		information is				
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	F-	to the appropriate	TC-URA-F-	homepage after	page after successful	
	1.13	default page.	1.13_006	successful login.	login.	Pass

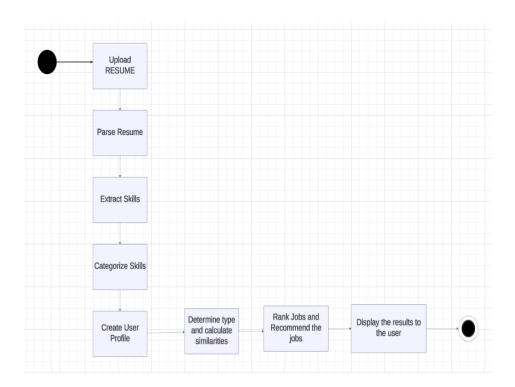
				User is logged out	
URA-	The system shall		Log in and then log out	successfully and is no	
F-	allow logged-in users	TC-URA-F-	and ensure log out	longer an active	
1.14	to log out securely.	1.14_001	process is successful.	session.	Pass
1.1	to tog out occuraty.	1.14_001	processis successium	User should not be	1 400
	The system shall			able to access	
URA-	invalidate user		Log in and then log out,	authorized pages	
F-	session after logging	TC-URA-F-	then try accessing	after session	
1.15	out.	1.15_002	authorized pages.	invalidation.	Pass
1.15	out.	1.13_002	authonzed pages.	Error message should	rass
	The system shall			be displayed	
	display an error		Attempt login with invalid	indicating login failed	
URA-	message to the user if		credentials and verify an	and should indicate if	
UR-	_	TC-URA-UR-	_	it is due to incorrect	
	login fails (invalid		error message is		Pass
1.16	username/password).	1.16_007	displayed.	credentials.	Fa55
LIDA	The evetem shall		Request a password reset	Hoor obould roosiyo	
URA-	The system shall	TO LIDA E	and verify the reset	User should receive	
F-	provide a "Forgot	TC-URA-F-	password link email is	an email with the	D
1.17	Password" feature.	1.17_001	received.	password reset link.	Pass
	The system shall send			Password reset email	
	a password reset link			with valid reset link is	
URA-	(or code) to the user's		Request a password reset	delivered to the	
F-	registered email	TC-URA-F-	and verify the reset link	specified email	
1.18	address.	1.18_002	received to users mail.	address.	Pass
			Reset password using the		
	The system shall		link received to email and		
	allow users to reset		ensure successful	User can successfully	
URA-	their password using		password reset and that	reset their password	
F-	the received link (or	TC-URA-F-	they are logged in with the	and log in with the	
1.19	code).	1.19_003	updated password.	new password.	Pass
			Request a password reset		
			and wait beyond the time		
	The system shall		limit of the reset link and	Password reset using	
URA-	ensure the password		then attempt to reset the	an expired link should	
F-	reset link is time	TC-URA-F-	password using the same	fail and display error	
1.20	limited.	1.20_004	link.	message to the user.	Pass
			Verify all sensitive data		
	The system shall		(passwords, tokens) are	Sensitive data is	
URA-	encrypt sensitive		encrypted both in the	encrypted in both	
NF-	data, like passwords,	TC-URA-NF-	database and during	database at rest and	
1.21	at rest and in transit.	1.21_001	network communication.	during transit.	Pass
	The system shall			System should be	
	protect against		Conduct vulnerability	resistant to common	
	common security		scans and penetration	security	
URA-	vulnerabilities (e.g.,		testing to ensure system	vulnerabilities and	
NF-	SQL injection, cross-	TC-URA-NF-	is resistant to common	should not be easily	
1.22	site scripting).	1.22_002	security vulnerabilities.	attacked.	Pass
			•	ı	·

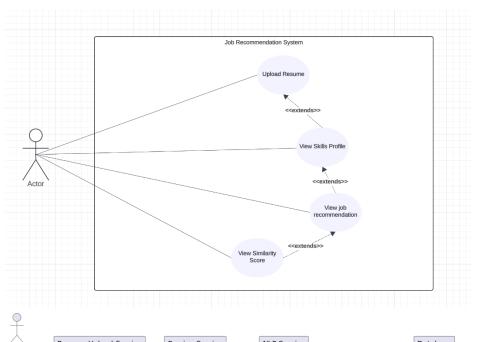
				Passwords and reset	
	The system shall not		Verify password and email	links should be stored	
URA-	store passwords or		reset link storage in the	in a secure, encrypted	
NF-	email reset links in	TC-URA-NF-	database, ensure plain	format, never in plain	
1.23	plain text.	1.23_003	text is not being used.	text.	Pass
			Test access to user		
	The system shall		accounts with valid user		
	protect access to		credentials, ensure		
	user accounts		unauthorized users	Only authorized users	
URA-	through strong		cannot access others	should have access to	
NF-	authentication and	TC-URA-NF-	accounts or	their own accounts	
1.24	authorization.	1.24_004	functionalities.	and functionalities.	Pass
			Perform multiple login,		
	The system shall		registration, password		
URA-	respond to user		reset requests to ensure	System responds to	
NF-	requests (e.g., login,	TC-URA-NF-	system does respond to	all user requests with	
1.25	registration).	1.25_001	user requests.	appropriate time.	Pass
	The system shall		Perform actions like	Loading	
	provide clear visual		registration and password	animation/indicator	
	feedback to the user		reset that take more than	should be present if	
URA-	during any processing		1 second and verify the	any user request is	
UR-	that takes longer than	TC-URA-UR-	loading indicator is	taking longer than 1	
1.26	1 second.	1.26_002	provided.	second.	Pass
				Application UI should	
				adapt to different	
				screen size without	
URA-	The user interface		Test on different screen	any loss of	
UR-	shall adapt to various	TC-URA-UR-	sizes to ensure the	functionality and	
1.27	screen sizes	1.27_003	responsive	usability.	Pass

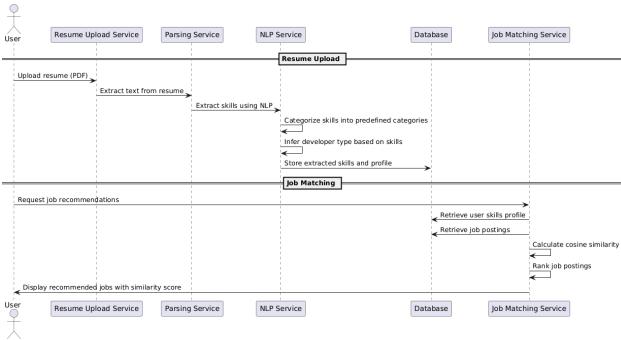
Resume-Based Job Recommendation System

Req. Code	Req. Description	Use Case
JRS- F-1.0	The system shall allow users to upload their resume in a common format (e.g., PDF).	Resume Upload
JRS- F-1.1	The system shall parse the uploaded resume to extract text content.	Resume Parsing
JRS- F-1.2	The system shall identify and extract relevant skills mentioned in the resume using Natural Language Processing (NLP) techniques (e.g., Named Entity Recognition, keyword extraction).	Skills Extraction
JRS- F-1.3	The system shall categorize skills into predefined categories (e.g., Programming Languages, Databases, Frameworks, Cloud Technologies, etc.).	Skills Categorization
JRS- F-1.4	The system shall analyze the extracted skills and job titles/descriptions in the resume to determine the developer type (e.g., Frontend, Backend, Full-Stack, Mobile, DevOps, etc.).	Developer Type Inference
JRS- F-1.5	The system shall create a skills profile for each user based on the extracted and categorized skills.	User Profile Generation
JRS- F-1.6	The system shall calculate the cosine similarity between the user's skills profile and job profile for all job postings in the system.	Similarity Calculation
JRS- F-1.7	The system shall rank job postings based on their cosine similarity score to a user's skill profile.	Job Ranking

JRS- F-1.8	The system shall recommend the top N job postings with highest cosine similarity score to the user. (where N is configurable)	Job Recommendation
JRS- F-1.9	The system shall display recommended job postings to the user in an understandable format, including job title, company, short description, and a link to the full posting.	Job Display
JRS- F-1.10	The system shall allow user to see the similarity score between his profile and the job recommended.	Job Display







Req.			Test Case		
Code	Req. Description	Test ID	Description	Expected Result	Status
Oouc	The system shall allow users to upload	TC-JRS-	Attempt to upload a	Expedica Nesatt	Otatas
JRS-	their resume in a common format (e.g.,	F-	resume in PDF	Resume is uploaded	
F-1.0	PDF).	1.0_001	format.	successfully.	Pass
1-1.0	1 Dr.).	1.0_001	Torritat.	System displays an	1 433
			Attempt to upload a	error message	
	The system shall allow users to uplead	TC-JRS-	resume in a non-		
IDC	The system shall allow users to upload their resume in a common format (e.g.,	F-		indicating the file format is not	
JRS-	, 0		supported format		Doos
F-1.0	PDF).	1.0_002	(e.g., DOCX).	supported.	Pass
		TO IDO	Upload a resume	Total continue of the	
IDO	The such and the House the such and d	TC-JRS-	and verify that the	Text content of the	
JRS-	The system shall parse the uploaded	F-	text content is	resume is extracted	_
F-1.1	resume to extract text content.	1.1_003	extracted correctly.	without any errors.	Pass
		TO 150	Upload a resume		
15.0		TC-JRS-	with image-based	Text content is not	
JRS-	The system shall parse the uploaded	F-	text and verify the	parsed or parsed with	
F-1.1	resume to extract text content.	1.1_004	parsing failure.	errors.	Pass
	The system shall identify and extract				
	relevant skills mentioned in the resume			All listed technical	
	using Natural Language Processing (NLP)	TC-JRS-	Upload a resume	skills are identified	
JRS-	techniques (e.g., Named Entity	F-	with clearly listed	and extracted	
F-1.2	Recognition, keyword extraction).	1.2_005	technical skills.	correctly.	Pass
			Upload a resume		
	The system shall identify and extract		with skills		
	relevant skills mentioned in the resume		mentioned in various	Skills mentioned in	
	using Natural Language Processing (NLP)	TC-JRS-	contexts (e.g.,	different contexts are	
JRS-	techniques (e.g., Named Entity	F-	project descriptions,	identified and	
F-1.2	Recognition, keyword extraction).	1.2_006	job roles).	extracted accurately.	Fail
	The system shall categorize skills into		Upload a resume	Extracted skills are	
	predefined categories (e.g., Programming	TC-JRS-	with varied skills and	categorized into	
JRS-	Languages, Databases, Frameworks,	F-	validate	predefined categories	
F-1.3	Cloud Technologies, etc.).	1.3_007	categorization.	correctly.	Pass
	<i>S</i> , ,	_		Skills that don't fit	
	The system shall categorize skills into		Upload a resume	predefined categories	
	predefined categories (e.g., Programming	TC-JRS-	with skills that don't	are either categorized	
JRS-	Languages, Databases, Frameworks,	F-	fit predefined	into a default category	
F-1.3	Cloud Technologies, etc.).	1.3_008	categories.	or are flagged.	Fail
. 1.0	The system shall analyze the extracted	1.0_000	04108011001	01 410 11466041	ran
	skills and job titles/descriptions in the		Upload a resume	Developer type	
	resume to determine the developer type	TC-JRS-	with frontend-	should be identified	
JRS-	(e.g., Frontend, Backend, Full-Stack,	F-	related skills and job	as Frontend	
F-1.4	Mobile, DevOps, etc.).	1.4_009	titles.	Developer.	Pass
1 - 1.4		TC-JRS-		peveroher.	1 033
IDC	The system shall analyze the extracted	F-	Upload a resume with skills and titles	Dovoloportuno	
JRS-	skills and job titles/descriptions in the			Developer type	Door
F-1.4	resume to determine the developer type	1.4_010	related to both	should be identified	Pass

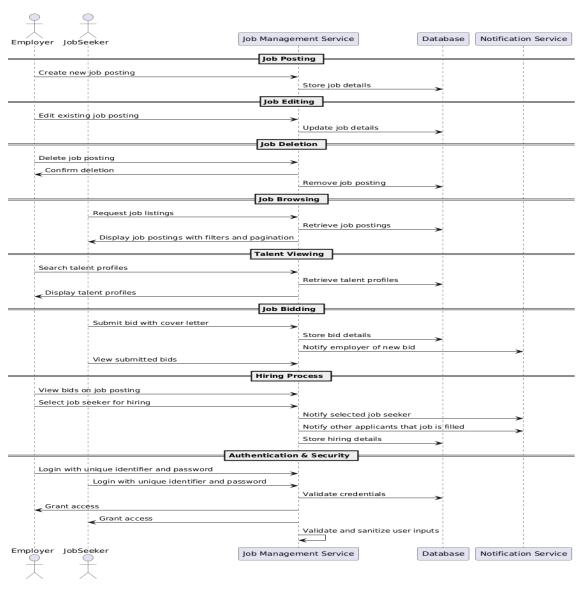
	(e.g., Frontend, Backend, Full-Stack,		frontend and	as Full-Stack	
	Mobile, DevOps, etc.).		backend.	Developer.	
	1 10bite, Devops, etc.).		backeria.	A user skills profile is	
	The system shall create a skills profile for	TC-JRS-	Upload a resume	generated based on	
JRS-	each user based on the extracted and	F-	and verify the user	the extracted and	
F-1.5			,		Pass
r-1.5	categorized skills.	1.5_011	profile generated.	categorized skills.	F455
		TO IDC	Upload multiple	Latest profile is	
IDO	The system shall create a skills profile for	TC-JRS-	resumes and verify	updated based on	
JRS-	each user based on the extracted and	F-	the latest user	latest uploaded	
F-1.5	categorized skills.	1.5_012	profile.	resume.	Pass
	The system shall calculate the cosine		Upload a resume,	Cosine similarity	
	similarity between the user's skills profile	TC-JRS-	then compare the	scores are calculated	
JRS-	and job profile for all job postings in the	F-	profile with various	correctly for all job	
F-1.6	system.	1.6_013	job postings.	postings.	Pass
	The system shall calculate the cosine		Upload a resume	Cosine similarity	
	similarity between the user's skills profile	TC-JRS-	and verify cosine	score of 0 should be	
JRS-	and job profile for all job postings in the	F-	similarity with no	given to unmatched	
F-1.6	system.	1.6_014	skills match.	job postings.	Pass
			Verify job posting	Job postings are	
	The system shall rank job postings based	TC-JRS-	ranking based on	ranked based on the	
JRS-	on their cosine similarity score to a user's	F-	cosine similarity	cosine similarity in	
F-1.7	skill profile.	1.7_015	scores.	descending order.	Pass
	The system shall recommend the top N		Upload a resume	Top 3 jobs with	
	job postings with highest cosine similarity	TC-JRS-	and verify	highest cosine	
JRS-	score to the user. (where N is	F-	recommended job	similarity scores are	
F-1.8	configurable)	1.8_016	postings (N=3).	recommended.	Pass
	The system shall recommend the top N	_	Upload a resume	Top 5 jobs with	
	job postings with highest cosine similarity	TC-JRS-	and verify	highest cosine	
JRS-	score to the user. (where N is	F-	recommended job	similarity scores are	
F-1.8	configurable)	1.8_017	postings (N=5).	recommended.	Pass
1.0	The system shall display recommended	1.0_01/	Pooriii 90 (14 0).	1000mmonaca.	1 433
	job postings to the user in an			Job postings are	
	understandable format, including job title,	TC-JRS-	Upload a resume	displayed with job	
JRS-	company, short description, and a link to	F-	and verify job posting	title, company, short	
F-1.9	the full posting.	1.9_018	display format.	description, and link.	Pass
1-1.9	The system shall display recommended	1.9_010	uispiay iuiiliai.	aescription, and tink.	F 033
	job postings to the user in an	TO IDC	Unload a require	lob poetings are	
IDC	understandable format, including job title,	TC-JRS-	Upload a resume	Job postings are	
JRS-	company, short description, and a link to	F-	and verify the UI in	displayed well on	D
F-1.9	the full posting.	1.9_019	mobile layout.	mobile layout	Pass
			Upload resume,		
			verify the similarity	Cosine similarity	
JRS-	The system shall allow user to see the	TC-JRS-	score displayed in UI	score is displayed	
F-	similarity score between his profile and	F-	with	alongside the	_
1.10	the job recommended.	1.10_020	recommendation.	recommended jobs.	Pass

Job Management System

Req. Code	Req. Description	Use Case
JMS-F- 1.0	The system shall allow registered clients to post new job openings.	Job Posting
JMS-F- 1.1	Job postings shall include a job title, description, required skills, salary range.	Job Posting
JMS-F- 1.2	The system shall allow employers to edit existing job postings.	Job Editing
JMS-F- 1.3	Clients shall be able to modify all fields of a job posting.	Job Editing
JMS-F- 1.4	The system shall allow clients to delete job postings.	Job Deletion
JMS-F- 1.5	The system shall provide confirmation before permanently deleting a job posting.	Job Deletion
JMS-F- 1.6	The system shall store job postings in a database.	Job Management
JMS- UR-1.7	The system shall display job postings in a user-friendly format to job seekers.	Job Browsing
JMS-F- 1.8	Job seekers should be able to filter job listings based on various criteria.	Job Browsing
JMS-F- 1.9	The system shall support pagination for long lists of job postings.	Job Browsing

JMS-F- 1.10	The system shall allow employers to browse talent profiles.	Talent Viewing
JMS-F- 1.11	The system shall allow employers to search talent profiles based on criteria.	Talent Viewing
JMS-F- 1.12	Employers shall be able to see talent profiles which includes all information	Talent Viewing
JMS-F- 1.13	The system shall allow job seekers to bid on job postings.	Job Bidding
JMS-F- 1.14	Job seekers shall be able to submit a bid with a personalized message (cover letter).	Job Bidding
JMS-F- 1.15	The system shall notify employers of new bids on their job postings.	Job Bidding
JMS-F- 1.16	Job seekers shall be able to view all the jobs on which they bid.	Job Bidding
JMS-F- 1.17	The system shall allow employers to view bids on their job postings.	Hiring Process
JMS-F- 1.18	Employers shall be able to view job seeker profiles associated with bids.	Hiring Process
JMS-F- 1.18	The system shall allow employers to select a job seeker for hiring.	Hiring Process
JMS-F- 1.19	The system shall notify job seekers if they have been selected for a job.	Hiring Process
JMS-F- 1.20	The system shall notify other job seekers of the job being filled.	Hiring Process

JMS-F- 1.21	The system shall store information about the hiring process.	Hiring Process
JMS-F- 1.22	The system shall implement authentication for employers and job seekers using a unique identifier and password.	Authentication
JMS- NF-1.23	The system shall implement data validation and sanitization for all user inputs.	Security



Req. Code	Req. Description	Test ID	Test Case Description	Expected Result	Status
JMS- F-1.0	The system shall allow registered clients to post new job openings.	TC- JMS-F- 1.0_001	Registered client attempts to post a new job.	Job opening is successfully posted.	Pass
JMS- F-1.0	The system shall allow registered clients to post new job openings.	TC- JMS-F- 1.0_002	Unregistered user attempts to post a new job.	System should display an error indicating user is not authorized.	Pass
JMS- F-1.1	Job postings shall include a job title, description, required skills, salary range.	TC- JMS-F- 1.1_003	Post a job with job title, description, required skills and salary range.	Job posting is created successfully and include all specified details.	Pass
JMS- F-1.1	Job postings shall include a job title, description, required skills, salary range.	TC- JMS-F- 1.1_004	Post a job without some required fields.	System should display error indicating required fields are missing.	Pass
JMS- F-1.2	The system shall allow employers to edit existing job postings.	TC- JMS-F- 1.2 005	Registered client edits an existing job posting.	Job posting is updated successfully.	Pass
JMS- F-1.2	The system shall allow employers to edit existing job postings.	TC- JMS-F- 1.2_006	Registered client edits a job posting not owned by them.	System should display error indicating user is not authorized.	Pass
JMS- F-1.3	Clients shall be able to modify all fields of a job posting.	TC- JMS-F- 1.3_007	Client modifies all fields of a job posting (title, description, skills, salary).	All fields are updated successfully.	Pass
JMS- F-1.4	The system shall allow clients to delete job postings.	TC- JMS-F- 1.4_008	Client attempts to delete their own job posting.	Job posting is deleted successfully.	Pass
JMS- F-1.4	The system shall allow clients to delete job postings.	TC- JMS-F- 1.4_009	Client attempts to delete another client's job posting.	System displays an error indicating user is not authorized.	Pass
JMS- F-1.5	The system shall provide confirmation before permanently deleting a job posting.	TC- JMS-F- 1.5_010	Client tries to delete job posting and checks the confirmation message.	System displays a confirmation before the job is deleted permanently.	Pass

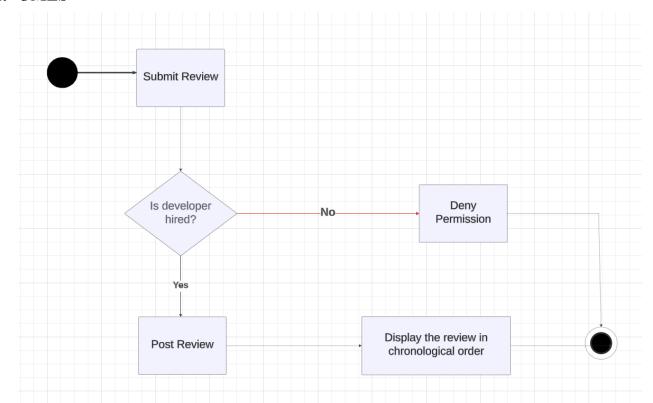
JMS- F-1.6	The system shall store job postings in a database.	TC- JMS-F- 1.6_011	Post a job, verify it is stored in database.	Job posting is stored in the database successfully.	Pass
JMS- UR- 1.7	The system shall display job postings in a user-friendly format to job seekers.	TC- JMS- UR- 1.7_012	Browse job postings as a job seeker.	Job postings are displayed with relevant details in a clear format.	Pass
JMS- F-1.8	Job seekers should be able to filter job listings based on various criteria.	TC- JMS-F- 1.8_013	Job seeker filters job postings by job title.	Job postings are filtered based on provided title successfully.	Pass
JMS- F-1.8	Job seekers should be able to filter job listings based on various criteria.	TC- JMS-F- 1.8_014	Job seeker filters job postings by salary range.	Job postings are filtered based on provided salary range successfully.	Pass
JMS- F-1.8	Job seekers should be able to filter job listings based on various criteria.	TC- JMS-F- 1.8_015	Job seeker filters job postings by skills.	Job postings are filtered based on provided skills successfully.	Pass
JMS- F-1.9	The system shall support pagination for long lists of job postings.	TC- JMS-F- 1.9_016	Browse a long list of job postings and check pagination.	Job postings are displayed with pagination controls.	Pass
JMS- F- 1.10	The system shall allow employers to browse talent profiles.	TC- JMS-F- 1.10_017	Employer attempts to browse talent profiles.	Employer is able to browse the list of talent profiles.	Pass
JMS- F- 1.10	The system shall allow employers to browse talent profiles.	TC- JMS-F- 1.10_018	Job Seeker attempts to browse talent profiles.	System should display error indicating user is not authorized.	Pass
JMS- F- 1.11	The system shall allow employers to search talent profiles based on criteria.	TC- JMS-F- 1.11_019	Employer searches talent profiles based on skills.	Talent profiles are filtered based on the skill input.	Pass
JMS- F- 1.11	The system shall allow employers to search talent profiles based on criteria.	TC- JMS-F- 1.11_020	Employer searches talent profiles based on name.	Talent profiles are filtered based on the name input.	Pass
JMS- F- 1.12	Employers shall be able to see talent profiles which includes all information	TC- JMS-F- 1.12_021	Employer views a talent profile and all information is present.	Talent profile is displayed with complete set of information.	Pass

JMS-	The system shall allow	TC-	Job seeker bids	Job seeker is able to	Pass
F-	job seekers to bid on job	JMS-F-	on a job posting.	bid on job postings	
1.13	postings.	1.13 022		successfully.	
JMS-	The system shall allow	TC-	Job seeker tries to	System should	Pass
F-	job seekers to bid on job	JMS-F-	bid on a job	display error	
1.13	postings.	1.13 023	posting twice.	indicating job	
		_		seeker already	
				applied for the	
				position.	
JMS-	Job seekers shall be able	TC-	Job seeker bids	Cover letter is	Pass
F-	to submit a bid with a	JMS-F-	with a cover letter	successfully saved	
1.14	personalized message	1.14_024	message.	with the bid.	
	(cover letter).				
JMS-	The system shall notify	TC-	Job seeker bids	Employer gets	Pass
F-	employers of new bids	JMS-F-	on job, employer	notification on a	
1.15	on their job postings.	1.15_025	gets the	new bid	
			notification.	successfully.	
JMS-	Job seekers shall be able	TC-	Job seeker	Job seeker can view	Pass
F-	to view all the jobs on	JMS-F-	browses jobs	all jobs where they	
1.16	which they bid.	1.16_026	which they have	have bids.	
			bid on.		
JMS-	The system shall allow	TC-	Employer views	Employer is able to	Pass
F-	employers to view bids	JMS-F-	bids on their job	see bids on their job	
1.17	on their job postings.	1.17_027	postings.	posting.	
JMS-	Employers shall be able	TC-	Employer views a	Employer is able to	Pass
F-	to view job seeker	JMS-F-	job seeker profile	see job seeker	
1.18	profiles associated with	1.18_028	associated with a	profile associated	
D. CC	bids.	T.C.	bid.	with the bid.	D
JMS-	The system shall allow	TC-	Employer selects	Employer is able to	Pass
F-	employers to select a job	JMS-F-	a job seeker for	hire a job seeker.	
1.18	seeker for hiring.	1.18_029	hiring for a		
IMC	The greaters also 11	TC	specific job.	Calasta 4 : -11	Doss
JMS- F-	The system shall notify	TC- JMS-F-	A selected job	Selected job seeker receives the	Pass
	job seekers if they have been selected for a job.		seeker gets the notification.	notification.	
1.19 JMS-		1.19_030 TC-			Pass
F-	The system shall notify other job seekers of the	JMS-F-	Other job seekers receives the	Other job seeker receives	F 488
1.20	job being filled.	1.20 031	notification that	notification job	
1.20	joo oemg mieu.	1.20_031	job is filled.	position is filled.	
JMS-	The system shall store	TC-	Hiring process is	Hiring process is	Pass
F-	information about the	JMS-F-	carried out and	successfully tracked	1 433
1.21	hiring process.	1.21 032	information	and stored in	
1.21		1.21_032	stored.	database.	
JMS-	The system shall	TC-	Login with valid	Users are able to	Pass
F-	implement	JMS-F-	user credentials	login with valid	1 400
1.22	authentication for	1.22 033	aser ereactions	username and	
1.22	addictional for	1.22_033		abellianie and	I

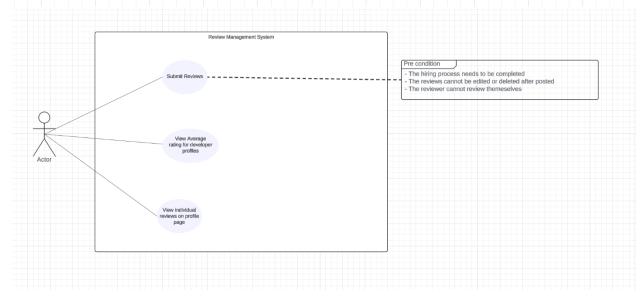
	employers and job			password	
	seekers using a unique			successfully.	
	identifier and password.				
JMS-	The system shall	TC-	Login with	User is not able to	Pass
F-	implement	JMS-F-	invalid user	login and gets error	
1.22	authentication for	1.22_034	credentials	message.	
	employers and job				
	seekers using a unique				
	identifier and password.				

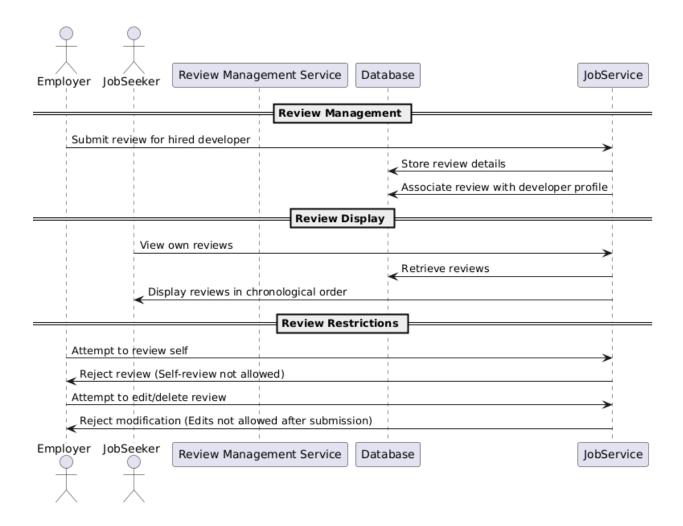
Review Management System

Req. Code	Req. Description	Use Case
RMS-F- 1.0	The system shall allow employers to submit reviews for developers they have hired.	Review Creation
RMS-F- 1.1	Reviews shall include a rating (e.g., on a scale of 1-5 stars) and an optional text-based comment.	Review Creation
RMS-F- 1.2	Reviews shall be associated with the specific developer profile they were given for.	Review Association
RMS-F- 1.3	The system shall not allow users to review themselves.	Review Restriction
RMS-F- 1.4	Employers shall only be able to review a developer after completing a hiring process with them.	Review Restriction
RMS-F- 1.5	The system shall display the average rating for each developer profile.	Review Display
RMS-F- 1.6	The system shall display all individual reviews on the developer profile page.	Review Display
RMS-F- 1.7	The system shall display the reviewer's name or alias with each review.	Review Display
RMS-F- 1.8	Reviews shall be displayed in chronological order (most recent first).	Review Display
RMS-F- 1.9	The system shall not allow employers to edit or delete reviews they have submitted after they have been posted.	Review Restriction



3.





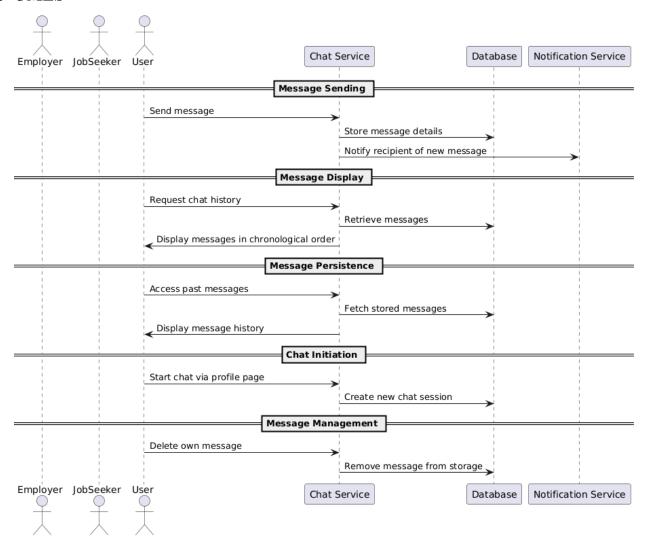
Test ID	Test Case Description	Expected Result	Status
TC-	Employer submits a review for a hired	Review is successfully submitted.	Pending
RMS-	developer.		
F-			
1.0_001			
TC-	Job Seeker tries to submit a review.	System should display an error that	Pending
RMS-		only employers can submit review.	
F-			
1.0_002			
TC-	Employer submits a review with a 3-star	Review is submitted with provided	Pending
RMS-	rating and text comment.	star rating and comment.	
F-			
1.1_003			
TC-	Employer submits a review with 5-star	Review is submitted with provided	Pending
RMS-	rating and no comment.	star rating and no comment.	

F-			
1.1 004			
TC-	Employer submits a review with invalid	System should display an error	Pending
RMS-	rating value.	indicating that the rating value is	1 chang
F-	rating value.	invalid.	
1.1 005		invand.	
	Employee submits a navious for a	Daviers is a sum of the second of all socials	Dan din a
TC-	Employer submits a review for a	Review is correctly associated with	Pending
RMS-	developer and check the profile of	the correct developer profile.	
F-	developer.		
1.2_006			
TC-	Developer attempts to review their own	System displays an error message	Pending
RMS-	profile.	that user can't review themselves.	
F-			
1.3 007			
TC-	Employer tries to review a developer they	System displays error indicating	Pending
RMS-	have not hired.	they can only review a developer	
F-		after the hiring process.	
1.4 008			
TC-	Employer tries to review a developer after	System allows the employer to	Pending
RMS-	hiring them.	submit review for the developer	
F-	mmg mem	after hiring them.	
1.4 009		arter mining them.	
TC-	Check the developer profile with one	Average rating is displayed for	Pending
RMS-	review, it should display average rating as	developer profile correctly after	1 Chang
F-		one review.	
	same as the provided rating.	one review.	
1.5_010		A 4 1 1 1 C	D 1'
TC-	Check the developer profile with multiple	Average rating is displayed for	Pending
RMS-	reviews, it should display average rating	developer profile correctly after	
F-	as a computed average.	multiple reviews.	
1.5_011			
TC-	Check the developer profile and verify all	All reviews given to the developer	Pending
RMS-	the individual reviews are present.	are displayed in developer profile.	
F-			
1.6_012			
TC-	Check the developer profile with reviews	Reviewer's name or alias is shown	Pending
RMS-	and reviewer information.	with every review.	
F-			
1.7_013			
TC-	Check the developer profile with reviews	Reviews are displayed in	Pending
RMS-	and their order.	chronological order with most	
F-		recent first.	
1.8 014			
TC-	Employer tries to edit a review after	System does not allow employer to	Pending
RMS-	posting it.	edit their own reviews after	1
F-	F8	submission.	
1.9 015		baominoni.	
1.7_013		1	

TC-	Employer tries to delete a review after	System does not allow employer to	Pending
RMS-	posting it.	delete their own reviews after	
F-		submission.	
1.9_016			

Chat System

Req. Code	Req. Description	Use Case
CHAT-F- 1.0	The system shall allow users to send messages to other users.	Message Sending
CHAT-F- 1.1	Users shall be able to send text-based messages.	Message Sending
CHAT-F- 1.2	The system shall display the sender's name or alias with each message.	Message Display
CHAT-F- 1.3	The system shall display messages in chronological order (earliest first).	Message Display
CHAT-F- 1.4	The system shall provide visual notifications when new messages are received.	Message Notification
CHAT-F- 1.5	The system shall persist messages for future access.	Message Persistence
CHAT-F- 1.6	Users shall be able to search through their message history.	Message Retrieval
CHAT-F- 1.7	Users shall be able to initiate a chat with another user through their profile page.	Chat Initiation
CHAT-F- 1.8	Users shall be able to delete their own messages after sending.	Message Management

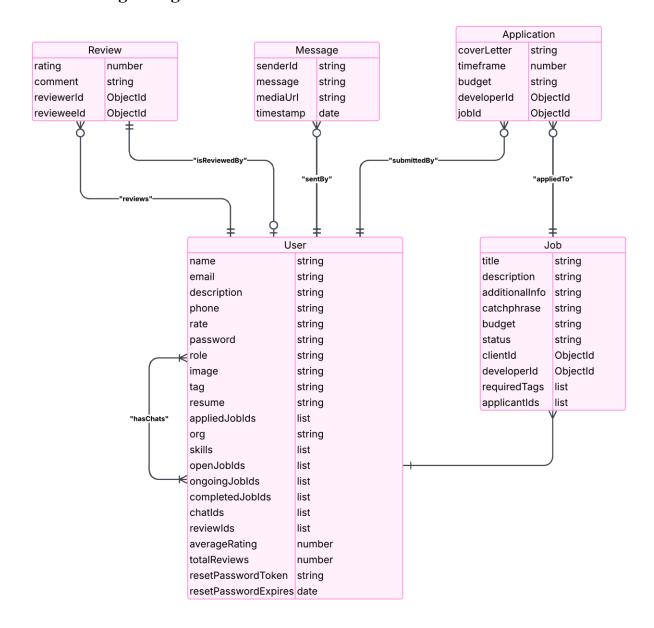


Req.	Req.	Test ID	Test Case	Expected Result	Status
Code	Description		Description		
CHAT-	The system	TC-	Send a message to	Message is successfully	Pending
F-1.0	shall allow	CHAT-	another user with	sent to the intended	
	users to send	F-	valid credentials and	recipient.	
	messages to	1.0_001	content.		
	other users.				
CHAT-	The system	TC-	Attempt to send a	System displays an	Pending
F-1.0	shall allow	CHAT-	message to a user	appropriate error	
	users to send	F-	who doesn't exist.	message (if applicable)	
	messages to	1.0_002		or the message is not	
	other users.			sent.	

CHAT- F-1.1	Users shall be able to send	TC- CHAT-	Send a message containing standard	Message is sent correctly.	Pending
	text-based messages.	F- 1.1_003	text characters.		
CHAT- F-1.1	Users shall be able to send text-based messages.	TC- CHAT- F- 1.1 004	Send a message containing special characters, emojis, or symbols.	Message is sent correctly.	Pending
CHAT- F-1.1	Users shall be able to send text-based messages.	TC- CHAT- F- 1.1_005	Send a long message that exceeds the specified length limit.	Message is not sent or an error is displayed if the message length limit is breached.	Pending
CHAT-F-1.2	The system shall display the sender's name or alias with each message.	TC- CHAT- F- 1.2_006	Verify the sender's name/alias is displayed correctly along with the message.	Sender's name/alias appears accurately next to the sent message.	Pending
CHAT-F-1.2	The system shall display the sender's name or alias with each message.	TC- CHAT- F- 1.2_007	Verify the sender's name is displayed correctly even with special characters or formatting.	Sender's name/alias appears accurately next to the sent message.	Pending
CHAT-F-1.3	The system shall display messages in chronological order (earliest first).	TC- CHAT- F- 1.3_008	Send multiple messages and verify they appear in the correct order.	Messages are displayed in chronological order, with the earliest at the top.	Pending
CHAT-F-1.4	The system shall provide visual notifications when new messages are received.	TC- CHAT- F- 1.4_009	Receive a new message and verify visual notification is displayed (e.g., badge, sound).	Visual notification is correctly displayed/delivered for new message reception.	Pending
CHAT- F-1.4	The system shall provide visual notifications when new messages are received.	TC- CHAT- F- 1.4_010	Receive multiple new messages and verify visual notification reflects the new count.	Visual notification updates with new messages.	Pending

CHAT-F-1.5	The system shall persist messages for future access.	TC- CHAT- F- 1.5_011	Send messages and verify they are still available after logging out and logging back in.	Messages are persisted and accessible after logging out and back in.	Pending
CHAT-F-1.5	The system shall persist messages for future access.	TC- CHAT- F- 1.5_012	Verify messages are persisted correctly even when application is restarted or closed.	Messages are persisted and accessible after application restart or close.	Pending
CHAT-F-1.6	Users shall be able to search through their message history.	TC- CHAT- F- 1.6_013	Search for a specific word or phrase within message history using search function.	System correctly locates and displays messages containing the search criteria.	Pending
CHAT-F-1.6	Users shall be able to search through their message history.	TC- CHAT- F- 1.6_014	Attempt to search for a term that doesn't exist in the message history.	System correctly indicates that there are no matching messages.	Pending
CHAT-F-1.7	Users shall be able to initiate a chat with another user through their profile page.	TC- CHAT- F- 1.7_015	Navigate to a user profile and click on the chat option.	Chat window opens with user profile.	Pending
CHAT-F-1.8	Users shall be able to delete their own messages after sending.	TC- CHAT- F- 1.8_016	Send a message and then delete it, verify the message is deleted from all recipients view.	Message is removed from the chat thread for both users after deletion.	Pending
CHAT-F-1.8	Users shall be able to delete their own messages after sending.	TC- CHAT- F- 1.8_017	Send a message and verify that you can't delete the message after time specified.	System throws an error that the message cannot be deleted as the time to delete the message has lapsed.	Pending

Schema Design Diagram

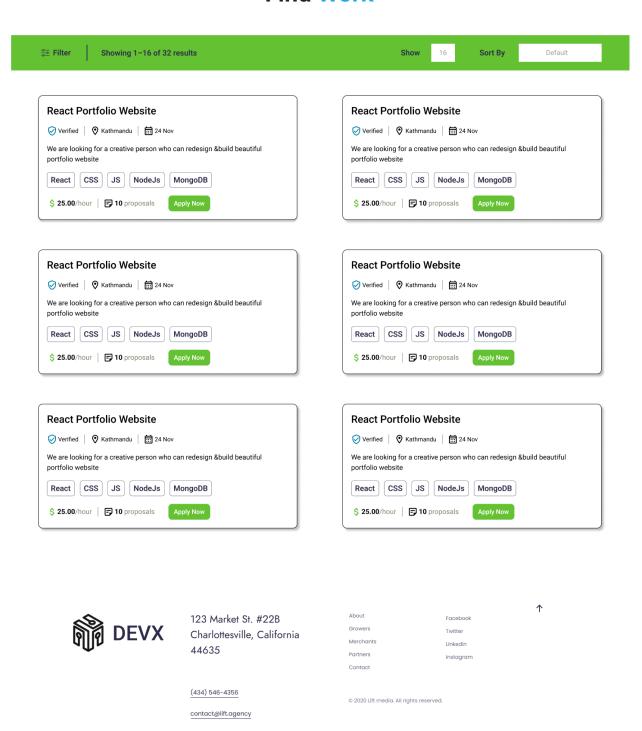


Wireframes and Designs

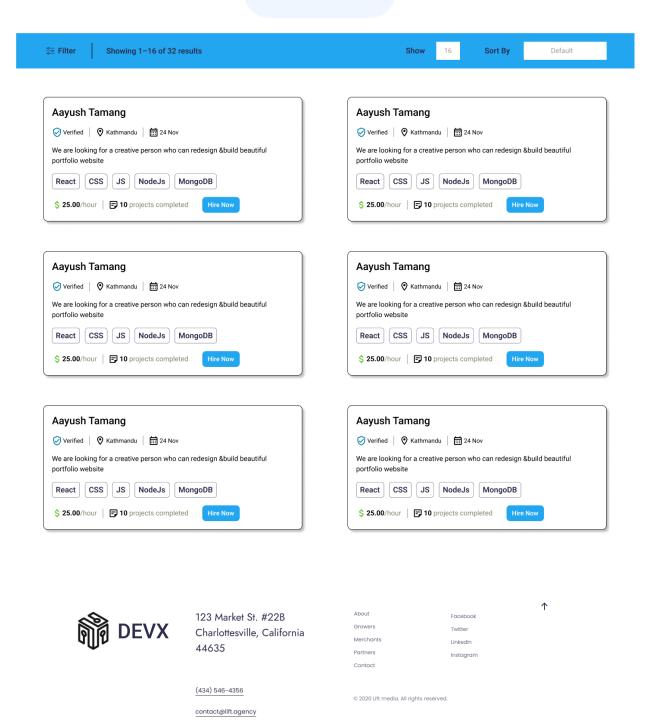




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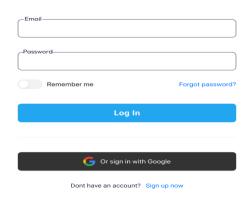


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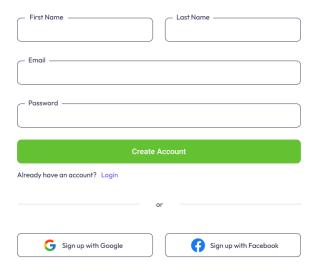


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Embodying the raw, wayward spirit of rock 'n' roll, the Kilburn portable active stereo speaker takes the unmistakable look and sound of Marshall, unplugs the chords, and takes the show on the road.

Weighing in under 7 pounds, the Kilburn is a lightweight piece of vintage styled engineering. Setting the bar as one of the loudest speakers in its class, the Kilburn is a compact, stout-hearted hero with a well-balanced audio which boasts a clear midrange and extended highs for a sound that is both articulate and pronounced. The analogue knobs allow you to fine tune the controls to your personal preferences while the guitar-influenced leather strap enables easy and stylish travel.









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