

Data Dictionary

Data Stores

Table_name	Fields	Description	Type	Constraints
User's Table	username	User Username	Varchar(30)	NOT NULL
	Email	User Email	Varchar(10)	PRIMARY KEY
	First Name	User first name	Varchar(10)	NOT NULL
	Last Name	User's last name	Varchar(13)	NOT NULL
	is_startup_founder	is user startup founder or applicant	bool	NOT NULL

Table_name	Fields	Description	Type	Constraints
Resume	user	corresponding user	Varchar(30)	FORIEGN KEY
	description	user's description(bio)	Varchar(10)	NOT NULL
	avatar	user's image	Image Field	NOT NULL
	contact no.	user's contact no.	Integer Field	NOT NULL
	primary city	user's primary city	Varchar(100)	NOT NULL
	secondary city	user's secondary city	Varchar(100)	NOT NULL

Table_name	Fields	Description	Type	Constraints
Education	user	corresponding user	Varchar(30)	FOREIN KEY
	status	is user pursuing currently	bool	NOT NULL
	college	user's college	Varchar(10)	NOT NULL
	start year	college starting year	Integer Field	NOT NULL
	end year	graduation ending year	Integer Field	NOT NULL
	stream	stream user is pursuing	Varchar(50)	NOT NULL

Table_name	Fields	Description	Type	Constraints
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Job	user	corresponding user	Varchar(30)	FOREIN KEY
	profile	user's profile	Varchar(10)	NOT NULL
	organisation	job organisation	Varchar(10)	NOT NULL
	location	job location	Varchar(300)	NOT NULL
	start date	starting date of job	Date Field	NOT NULL
	end date	ending date of job	Date Field	NOT NULL
	job desc	description of job	VarChar(30)	NOT NULL

Table_name	Fields	Description	Type	Constraints
Skill	user	corresponding user	Varchar(30)	FOREIN KEY
	skill name	name of skill	VarChar(30)	NOT NULL
	level	skill level(beginner, intermediate, advanced)	VarChar(30)	NOT NULL

Table_name	Fields	Description	Type	Constraints
Portfolio	user	corresponding user	Varchar(30)	FOREIN KEY
	project name	name of the project	Varchar(30)	NOT NULL
	link	link of the project	Varchar(30)	NOT NULL
	description	project description	Varchar(30)	NOT NULL
	start date	starting date of project	Date Field	NOT NULL
	end date	ending date of project	Date Field	NOT NULL

Table_name	Fields	Description	Type	Constraints
Accomplishments	user	corresponding user	Varchar(30)	FOREIN KEY
	description	description	Varchar(30)	NOT NULL

Table_name	Fields	Description	Type	Constraints
Company	user	corresponding user	Varchar(30)	FOREIN KEY
	company name	name of the company	Varchar(30)	NOT NULL
	description	company's description	Varchar(30)	NOT NULL

logo	company's logo	Varchar(30)	NOT NULL
website	link of company's website	Varchar(30)	NOT NULL

Table_name	Fields	Description	Type	Constraints
Job_Opening	company	corresponding company	Varchar(30)	FOREIN KEY
	title	job's title	Varchar(30)	NOT NULL
	job description	job's description(short)	Varchar(30)	NOT NULL
	job type	type of job(remote/on-field)	Varchar(30)	NOT NULL
	start date	joining date of job	Date field	NOT NULL
	end date	deadline to apply for job	Date field	NOT NULL
	experience	experience required for this job	Integer	NOT NULL
	salary	salary of the job	Integer	NOT NULL
	about job	Detailed description of job	Varchar(30)	NOT NULL
	skills	skills required for the job	Varchar(30)	NOT NULL

Table_name	Fields	Description	Type	Constraints
Applications	user	user which applied to corresponding job	Varchar(30)	FOREIN KEY
	job_opening	corresponding job to which user applied	Varchar(30)	FOREIGN KEY
	status	status if the applicant , whether he is selected for the job or not	varchar(30)	NOT NULL

PROCESSES

S.No.	Process name	Description	Inbound Data Flows	Outbound Data Flows
1	Authentication	User is authenticated. If the user is already signed up then he/she can login on the website or otherwise register/signup as a new user.	User Information Authentication Response	Session Authentication Request
2.1	StartUp Details Filling Process	startup founder fills the details about his/her idea of startup which are being save in database	Startup Details	Startup Details
2.2	Applicant Details Filling Process	an applicant as user fills Resume, Education, Previous Jobs, Skill, Portfolio and Accomplishments	Applicant's details	Applicant's details
3.1	Adding Job Opening	Startup founder makes a job opening and it is saved in Job opening database.	job_opening details	job_opening details
3.2	Show job openings	show job opening that the startup_founder has filled on his/her dashboard	request jobs opened	job_opened

3.3	Search for startup based on skills	Applicant fills the job title for the job for which he wants to work and search's for a job based on the job title filled by him/her in the filter.	request filtered jobs	filtered job_openings
3.4	Show list of jobs applied	Shows the applicant a list of jobs for which he has applied.	request jobs applied	jobs applied
4.1	Applying for a job	Applicant applies for a job shown to him based on the job title filled by him in the filter.	job applying	job status
4.2	List of applied applicant	List of applicant who have applicants who have applied for a particular job opening is shown to the start up founder.	request Applicantslist	applicants list
4.3	Viewing applicant profile	From the list of applicants if start up founder wants to select a applicant and wants to view his/her profile.	Request applicants'details	applied applicant details
5	Selection Process	shortlisting applicants and mail the status to the selected applicants mail	shortlisted applicants	Application status

DATA FLOW

S.No.	Data Flow name	Description	From Process	To Process	Data Structures
1	Login/SignUp	User login's		Athentication	login details , signup details
2	StartUp details	Founder fills his details		StartUp Details Filling Process	
3	Applicant details	Applicant fills his details		2.2 Applicant Details Filling Process	
4	jobs opened	List of jobs opened by startup founder sent	3.1Adding Job Opening	3.2 Show job openings	
5	jobs opened request	Request list of opened jobs by him/her		3.2 Show job openingsS	
6	job_opening details	Enter details about job opening		3.1 Adding Job Opening	
8	filtered job_openings	List of positions opened based on skill entered	3.1 Adding Job Opening	3.3 Search for startups based on skill	
9	requested filtered jobs			3.3 Search for startups based on skill	
10	job applied	Show list of jobs applied by applicant	4.1Applying for job	3.4 Show list of jobs applied	
11	request job applied	Show list of jobs applied by applicant		3.4 Show list of jobs applied	
12	job applying	applying for the job		4.1 Applying for job	
14	request Applicantslist	Request list of applicants applied for a job opening		4.2 List of applied applicants	
15	applicants list	list of applicants applied for a job opening	4.1 Applying for job	4.2 List of applied applicants	

16	Request applicants'details	Request details of applicant applied to a job opening		4.3 Viewing applicant profile
17	applied applicant details	Details of applicant who have applied	2.2 Applicant Details Filling Process	4.3 Viewing applicant profile
18	shortlisted applicants	List of shortlisted applicants		5.0 Selection Process
19	Application status	Whether the application is selected or not	5.0 Selection Process	