

# 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	
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

## 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	Enter Details	User Details are entered and saved. If the user is an applicant then he/she enters the resume details and if the user is startup founder then Startup details are entered.	applicant/startup founder details	Details saved successfully/unsuc cessfully

3 Job Details	Startup founder makes a job opening and it is saved in Job opening database. Applicant uses the filter to search for a job Based on his/her skill.	Founder enters details for new job opening and applicant requests list of jobs based on the filter entered by him/her.	new job opening saved
4 Applying For Job	Applicant applies to a job displayed on his dashboard(a mail is sent regarding this to the applicant) based on his skill. then this applicant is visible to the startup founder who has opened that particular job opening. Then Startup founder can view the details of the applicant.	list of applicants,details of applicants	confirmation mail sent and new row added in Application DB.
5 Selecting Applicants	As the founder views the details of the applicant then he/she can select the applicant for further interviews.(Basically resume shortlisting).	applicant selected.	confirmation mail.

## DATA FLOW

S.No.	Data Flow name	Description	From Process	To Process	Data Structures
1	Authentication data	Authentication data is saved in the backend		Authentication	User
2	Resume details	Applicant fill the resume,Education,Previous Jobs, Skill,Portfolio,Accomplishments and then it is saved in the database through the process Enter details.		Enter Details	Resume,Education,Job,Skill, Portfolio,Accomplishments
3	Startup Details	Startup founder enter the startup details and then they are saved into the startup dabase through the process Enter Details		Enter Details	Comapny
4	List of jobs according to filter	List of Jobs according to the filter (applied by the applicant) is given to the applicant . List is formed with the help of Job Opening database and given to applicant through the Job Details process	Job Details		Job_Opening
5	List of applicants	Startup founder requests for the list of applied applicants for a particular job opening. This list is taken from Job Opening Database and given to Startup founder through the process Applying for Job.	Applying for job		Job_Applied
6	Details of applicant	Startup founder requests for the details of an applicant from the list. These details are taken from the applicant database(Resume,Education,Previous Jobs,Skill, Portfolio, Accomplishments) and given to Startup founder through the process Applying for a job..	Applying for job	Selecting a applicant	Resume,Education,Job,Skill, Portfolio,Accomplishments
7	applicant_id Job_id saved	When the applicant applies for a job then the applicant id and Job Opening id are saved in the Job Applied Database through the process Applying for a job.		Applying for job	Job_Applied
8	Confirmation mail	When the applicant applies for a job then a confirmation mail is send	Applying for job		





























































