

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 |

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|---------|---------------------------|-------------|----------|
| 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 |

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|-----|------------------------------------|---|----------------------------|---------------------------|
| 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 | Company |
| 3 | Applicant details | Applicant fills his details | | 2.2 Applicant Details Filling Process | Resume, Education, Previous Jobs, Skill, Portfolio and Accomplishments |
| 4 | jobs opened | List of jobs opened by startup founder sent | 3.1Adding Job Opening | 3.2 Show job openings | Job_Opening |
| 5 | jobs opened request | Request list of opened jobs by him/her | | 3.2 Show job openings | Job_Opening |
| 6 | job_opening details | Enter details about job opening | | 3.1 Adding Job Opening | 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 | Job_Opening |
| 9 | requested filtered jobs | | | 3.3 Search for startups based on skill | Job_Opening |
| 10 | job applied | Show list of jobs applied by applicant | 4.1Applying for job | 3.4 Show list of jobs applied | Application |
| 11 | request job applied | Show list of jobs applied by applicant | | 3.4 Show list of jobs applied | Application |
| 12 | job applying | applying for the job | | 4.1 Applying for job | Application |
| 14 | request Applicantslist | Request list of applicants applied for a job opening | | 4.2 List of applied applicants | Application |
| 15 | applicants list | list of applicants applied for a job opening | 4.1 Applying for job | 4.2 List of applied applicants | Job_Opening,Application, User |

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|----|----------------------------|---|---------------------------------------|--|--|
| 16 | Request applicants'details | Request details of applicant applied to a job opening | 4.3 Viewing applicant profile | Resume, Education, Previous Jobs, Skill, Portfolio and Accomplishments | |
| 17 | applied applicant details | Details of applicant who have applied | 2.2 Applicant Details Filling Process | 4.3 Viewing applicant profile | Resume, Education, Previous Jobs, Skill, Portfolio and Accomplishments |
| 18 | shortlisted applicants | List of shortlisted applicants | 5.0 Selection Process | Application,User | |
| 19 | Application status | Whether the application is selected or not | 5.0 Selection Process | Application | |
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