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| ***Database*** | Malsahli01 | ***Table Name*** | Applicants | ***(Composite)Key Field*** |  |

**Related to:**

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| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Skills | Skills\_id |  |  |

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| **General table description:** |
| This is the applicants table, which contain all the details of the job applicants such as their personal details. |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| Applicant\_id | Y | Y | Y | INT | (4) |  |  | Applicant\_id is a unique number that refers to the applicants, each applicant will have their own unique number | 1 |
| Skills\_id | N | Y | N | INT | (4) |  |  | Skills\_id is a unique number which refers to the skills table. | 1 |
| first\_name | N | N | N | VARCHAR | (40) |  |  | Applicant first name | Oliver |
| last\_name | N | N | N | VARCHAR | (40) |  |  | Applicant last name | Smith |
| date\_of\_birth | N | N | N | Date |  |  |  | Applicant date of birth | 1975-02-12 |
| email | N | N | N | VARCHAR | (50) |  |  | Applicant email | oliver.smith1985@hotmail.co.uk |
| Phone\_number | N | N | N | VARCHAR | (12) |  |  | Applicant phone number | 07516286401 |
| Street | N | N | N | VARCHAR | (50) |  |  | Applicant street | 1 Tarragon park |
| City | N | N | N | VARCHAR | (50) |  |  | Applicant city | Antrim |
| Postcode | N | N | N | VARCHAR | (8) |  |  | Applicant postcode | BT41 2BD |

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| ***Database*** | Malsahli01 | ***Table Name*** | Application | ***(Composite)Key Field*** |  |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Applicant | applicant\_id | Jobs | Jobs\_id |

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| **General table description:** |
| This is the applicants table, which contain all the details of the job applicants such as their personal details. |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| Application\_id | Y | Y | Y | INT | (4) |  |  | Application\_id is a unique number that refers to the application, each applicant will have their own unique number application number. | 1 |
| Applicant\_id | N | Y | N | INT | (4) |  |  | Applicant\_id is a unique number which refers to the Applicant table. | 1 |
| Jobs\_id | N | Y | N | INT | (4) |  |  | Jobs\_id is a unique number which refers to the Jobs table. | 1 |
| Application\_submition\_date | N | N | N | DATETIME |  |  |  | Is the date and time of which the application was submitted | 2024-02-10 00:00:00 |
| Is\_application\_active | N | N | N | tinyint | (1) |  |  | Refers to the status of the application where 0 means false and 1 means true, which in this case true means active and false means unactive | 1 |

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| ***Database*** | Malsahli01 | ***Table Name*** | Attachment | ***(Composite)Key Field*** |  |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Applicant | Applicant\_id |  |  |

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| **General table description:** |
| This is the applicants table, which contain all the details of the job applicants such as their personal details. |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| Attachment \_id | Y | Y | Y | INT | (4) |  |  | Attachment \_id is a unique number that refers to the Attachment, each applicant will have their own unique number to identify their Attachment | 1 |
| Applicant\_id | N | Y | N | INT | (4) |  |  | Applicant\_id is a unique number which refers to the Applicant table. | 1 |
| first\_name | N | N | N | VARCHAR | (40) |  |  | Applicant first name | Oliver |
| last\_name | N | N | N | VARCHAR | (40) |  |  | Applicant last name | Smith |
| File\_name | N | N | N | VARCHAR | (255) |  |  | File name | Oliver Smith CV.pdf |
| CV\_link | N | N | N | VARCHAR | (255) |  |  | CV link | https://qubstudentcloud-my.sharepoint.com/:b:/r/personal/40409760\_ads\_qub\_ac\_uk/Documents/Muneer%20CV/Oliver%20Smith%20CV.pdf?csf=1&web=1&e=CKgOwZ |
| Date\_received | N | N | N | DATETIME |  |  |  | Date and time the CV was received | 2024-02-10 09:13:15 |

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| ***Database*** | Malsahli01 | ***Table Name*** | Employer | ***(Composite)Key Field*** |  |

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| **General table description:** |
| This is the applicants table, which contain all the details of the job applicants such as their personal details. |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| Employer\_id | Y | Y | Y | INT | (4) |  |  | Employer\_id is a unique number that refers to the employers, each employer will have their own unique number | 1 |
| Company\_name | N | N | N | VARCHAR | (60) |  |  | Refers to the company name each employer work at | TechSavvy Solutions Ltd |
| first\_name | N | N | N | VARCHAR | (40) |  |  | Employer first name | Isabella |
| last\_name | N | N | N | VARCHAR | (40) |  |  | Employer last name | Patel |
| email | N | N | N | VARCHAR | (50) |  |  | Employer email | isabella.patel@gmail.com |
| Job\_title | N | N | N | VARCHAR | (50) |  |  | The job title of each employer | Accountant |
| Industry | N | N | N | VARCHAR | (75) |  |  | The industry each employer work in | Agriculture |
| Business\_phone | N | N | N | VARCHAR | (15) |  |  | Business phone number | (020)78123456 |
| Street | N | N | N | VARCHAR | (50) |  |  | Employer street | High Street |
| City | N | N | N | VARCHAR | (50) |  |  | Employer city | Belfast |
| Postcode |  |  |  | VARCHAR | (8) |  |  | Employer postcode | BT1 2JL |

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| ***Database*** | Malsahli01 | ***Table Name*** | Jobs | ***(Composite)Key Field*** |  |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Employers | Employers\_id |  |  |

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| **General table description:** |
| This is the applicants table, which contain all the details of the job applicants such as their personal details. |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| Jobs\_id | Y | Y | Y | INT | (4) |  |  | Jobs\_id is a unique number that refers to each job. | 1 |
| Employers\_id | N | Y | N | INT | (4) |  |  | Employer\_id is a unique number which refers to the Employer table. | 1 |
| Job\_title | N | N | N | VARCHAR | (50) |  |  | The job title | Manager |
| Job\_description | N | N | N | Text |  |  |  | Jobs description | Assist customers with inquiries and resolve issues. |
| Yearly\_salary | N | N | N | Decimal | (10,2) |  |  | Yearly salary of each job | 58181.00 |
| Job\_type | N | N | N | VARCHAR | (50) |  |  | Job type | Software Developer |
| Street | N | N | N | VARCHAR | (50) |  |  | job street | 32 Antrim road |
| City | N | N | N | VARCHAR | (50) |  |  | job city | Belfast |
| Postcode | N | N | N | VARCHAR | (8) |  |  | job postcode | BT41 3SF |

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| ***Database*** | Malsahli01 | ***Table Name*** | Jobs\_Skills | ***(Composite)Key Field*** | Jobs\_id, Skills\_id |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Jobs | Jobs\_id | Skills | Skills\_id |

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| **General table description:** |
| This is the applicants table, which contain all the details of the job applicants such as their personal details. |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| Jobs\_id | N | Y | N | INT | (4) |  |  | jobs\_id is a unique number that refers to the Jobs, this jobs\_id have a many to many relationship with Skills. | 1 |
| Skills\_id | N | Y | N | INT | (4) |  |  | Skills\_id is a unique number that refers to the Skills, this skills\_id have a many to many relationship with Jobs. | 1 |

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| ***Database*** | Malsahli01 | ***Table Name*** | Job\_availability | ***(Composite)Key Field*** |  |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Jobs | Jobs\_id |  |  |

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| **General table description:** |
| This is the applicants table, which contain all the details of the job applicants such as their personal details. |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| Jobs\_id | N | Y | N | INT | (4) |  |  | Jobs\_id is a number that refers to the jobs table. | 1 |
| Is\_job\_available | N | N | N | TINYINT | (1) |  |  | This column is a Boolean which mean if it’s a 0 the job is not available and if its 1 the job is still available | 0 |
| Posting\_date | N | N | N | DATETIME |  |  |  | Job posting date and time | 2023-10-10 05:07:10 |
| Closing\_date | N | N | N | DATETIME |  |  |  | Job closing date and time | 2023-11-10 04:11:08 |

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| ***Database*** | Malsahli01 | ***Table Name*** | Skills | ***(Composite)Key Field*** |  |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| This is the applicants table, which contain all the details of the job applicants such as their personal details. |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| Skills\_id | Y | Y | Y | INT | (4) |  |  | Skills\_id is a unique number that refers to each skill. | 1 |
| Skills\_name | N | N | N | VARCHAR | (150) |  |  | This column refers to the name of each different skill | Programming |
| Skill\_description | N | N | N | TEXT |  |  |  | This column refers to the description of each skill. | Writing, testing, and maintaining code to create software applications or automate tasks, using languages like Python, Java, or JavaScript. |