**Freelance Job Site**

**Possible login account types:**

* Customer
* Seller
* Admin

1. **Customer:**

* Can search through services offered
* Apply filters to the search
* See a specific service’s details
* Check the availability/time slots available for a particular service
* Message a seller a question about services supplied
* Book/Reserve a service + disclaimer + pay
* Receives a receipt in the email
* Enter promo code/discount code
* Cancel a service
* View purchases (upcoming + past + cancelled (by whom))
* Report a bad/explicit seller to admin with reason (Example: didn’t show up many times)
* Can leave reviews for a seller/service

1. **Seller:**

* Upload their services
* Update their availability for services
* Set a maximum time limit for a service per customer + break?
* Upload a promo code/discount code to database and how much discount it gives
* Cancel booked services + refund + email about cancellation with free discount on next booking
* View purchases (upcoming + past + cancelled (by whom))
* Report a customer to admin with reason (Example: For harassing)
* Pay admin a monthly subscription fee for using the website

1. **Admin:**

* Delete a customer’s account if reason is valid and suspend/delete a seller’s account if reason is valid
* Check sellers’ monthly subscription payments
* Send reminders to sellers when their payments are due
* View all purchases and statistics? (Want to expand on this) The admin can view the websites activity and stats

**Database Mapping**

**Login Accounts:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Username** | **Password** | **Account type** | **Account Status** |
| **(Primary key)** | **(Not Null)** | **(Not Null)** | **-** |
|  |  | Customer | - |
|  |  | Seller | - |
|  |  | Seller | Suspended |
|  |  | Admin | - |

**Services:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Service code** | **Service Name** | **Description** | **Seller Code (Username)** | **Promo Code** | **Promo discount amount** | **Max booking time** | **Price** |
| **(Primary Key)** | **Not Null** | **Not Null** | **Foreign Key** |  |  | **Default = 24 hrs** | **Not Null** |
|  |  |  |  |  |  |  |  |

**Seller Details:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Seller Code (Username)** | **Seller Name** | **Phone Number** | **Email** |
| **Primary Key** | **Not Null** | **Not Null** | **Not Null** |
|  |  |  |  |

**Booking details:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Booking id** | **Service code** | **Customer Username** | **Customer Email** | **Seller Code (Username)** | **Date** | **From when** | **Till when** |
| **Primary Key + (Foreign Key?)** | **Foreign Key** | **Not Null** | **Not Null** | **Foreign Key** | **Not Null** | **Not Null** | **Not Null** |
|  |  |  |  |  |  |  |  |

**Cancelled Bookings:**

|  |  |
| --- | --- |
| **Booking id** | **Cancelled by whom (Username)** |
| **Primary Key + (Foreign Key?)** | **Not Null** |
|  |  |

**Messages table:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Message id** | **Message** | **To** | **From** | **Viewed** |
| **Primary Key** | **Not Null** | **Not Null** | **Not Null** | **-** |
|  |  |  |  |  |

**Seller Availability :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Seller Code(Username)** | **Date** | **From when** | **Till when** |
| **Primary Key + (Foreign Key)** | **Not Null** | **Not Null** | **Not Null** |
|  |  |  |  |

**Reviews table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Review id** | **Review** | **Rating** | **Customer Username** | **Seller Username** | **Date** |
| **Primary Id** | **Not Null** | **Not Null** | **Not Null** | **Not Null** | **Not Null** |
|  |  |  |  |  |  |

**Reports table:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Report id** | **Report Reason** | **Reported by** | **Got Reported** | **Date** |
| **Primary Key** | **Not Null** | **Not Null** | **Not Null** | **Not Null** |
|  |  |  |  |  |

**Monthly Subscription:** (Seller Username + Date as Primary Key?)

|  |  |
| --- | --- |
| **Seller Username** | **Date (could do just month)** |
| **Not Null** | **Not Null** |
|  |  |

**Statistics for Admin**

* Graph out how much a certain service type gets used
* Show seller popularity
* How often bookings get cancelled and by whom
* Show monthly payment statistics