# User Stories of the entities in Artim

This section contains the user stories of the entities in Artim in the format “As a [persona], I [want to], [so that].”

## Artim (Company)

* As a company, I want to create a platform that allows artisans to connect to their potential local customers so I can create a means of profit.
* As a company, I want to collect a service charge from normal customers and artisans per transaction so I can pay Staff and receive profit.
* As a company, I want to be able to monitor the activity of Admin Staff.

## Manager

* As a manager, I want to be able to log in as an Admin staff so I can access the features that they can.
* As a manager, I want to be able to monitor other Admin Staff activity so I can perform my duty as a manager.

## Admin Staff

* As an Admin Staff, I want to be able to login securely so I can access admin features that others cannot when logging in.
* As an Admin Staff, I want to be able to change my password, so I can change it if I ever feel the need to.
* As an Admin Staff, I want to be able to see a list of customers and artisans’ details so I can contact them if there is a discount.
* As an Admin Staff, I want to be able to remove or suspend customers and artisans that may have violated the platform's code of conduct.

## Customer

* As a customer, I want to be able to create an account with Artim so I can have my details stored for easy application for Artisans and Handymen.
* As a customer, I want to be able to review my profile and change my details in the event of an error so I can ensure my information is accurate.
* As a customer, I want to be able to change my password, so I can change it if I ever feel the need to.
* As a customer, I want to be able to browse through the Artim website and search for artisans or handymen based on **location**, **price range, rating** and **need.**
* As a customer, I want to be able to pay for products and services conveniently.
* As a customer, I want to be able to see the work of the Artisans I wish to use their services, so I know if I wish to work with them.
* As a customer, I want to be able to delete my account at any time.

## Artisan/Handyman

* As an Artisan/Handyman, I want to be able to advertise my products and services so I can get customers to purchase them.
* As an Artisan/Handyman, I want to be able to review my profile and change my details in the event of an error so I can ensure my information is accurate.
* As an Artisan/Handyman, I want to be able to change my password, so I can change it if I ever feel the need to.
* As an Artisan/Handyman, I want to be able to have a profile describing me and my background so that customers can connect to my work on an emotional level.
* As an Artisan/Handyman, I want to be able to receive payments securely, so I do not lose money.
* As an Artisan/Handyman, I want to be able to create a secure account with Artim so I can be sure no one is tampering with my portfolio.
* As an Artisan/Handyman, I want to be able to delete my account at any time.

## Use-Case Diagrams



Figure 1 (A use-case diagram showing the activities of managers and staff in Artim)



Figure 2 (A use-case diagram showing the activities of customers in Artim)



Figure 3 (A use-case diagram showing the activities of artisans in Artim)

# Design Choices

This section goes through some Database and User Interface design choices for the proposed application.

## Entities and Data Fields

This section discusses the entities involved in this System and the data that needs to be collected from them.

|  |  |  |
| --- | --- | --- |
| **Admin Staff/Manager** | **Customers** | **Artisan/Handyman** |
| Staff ID | Full Name | Full Name |
| Username | Email Address | Email Address |
|  | Phone Number | Phone Number |
| Password | Date of Birth | Date of Birth |
| Full Name | Payment Details | Payment Details |
| Profile Photo | Username | Bank Details |
|  | Password | Username |
|  | Address | Password |
|  | Profile Photo | Profile Photo |
|  |  | Review |
|  |  | Profile (Describing the Artisan and their background) |
|  |  | List of services/Art |

Figure 4 (Proposed Application data fields)

## Database Design

To avoid redundancy, the proposed database tables have been normalized to the third normal form.

**User**

|  |  |
| --- | --- |
|  | **Data Type** |
| **User\_ID** (Primary Key) | INT 10 |
| Payment\_Details\_ID (Foreign Key) | INT 10 |
| Address\_ID (Foreign Key) | INT 10 |
| User\_Type | INT 2 |
| Profile\_Photo | Photo |
| Full\_Name | VARCHAR 12 |
| Phone\_Number | VARCHAR 12 |
| Email\_Address | VARCHAR 12 |
| Date\_of\_Birth | DATE |
| Username | VARCHAR 12 |
| Password | VARCHAR 12 |
| Description | TEXT |
| Bank Details | VARCHAR 50 |
| Rating | .\ (Automatically Generated) |
| Comments | TEXT |

**Note**: User\_Type ranges from 0 to 3 (0: Normal User, 1: Artisan, 2: Admin-Staff, 3: Manager)

**Review**

|  |  |
| --- | --- |
|  | **Data Type** |
| Review\_ID(Primary) | INT 10 |
| User\_ID (Foreign Key) | INT 10 |
| Review\_Date | TEXT |
| Review\_Comment | TEXT |
| Rating | DECIMAL 2 |

**Service**

|  |  |
| --- | --- |
|  | **Data Type** |
| Service\_ID(Primary Key) | INT 10 |
| Service\_Description | TEXT |
| .Order\_Total | DECIMAL 10 |
| Service\_Category | VARCHAR 12 |

**Payment\_Details**

|  |  |
| --- | --- |
|  | **Data Type** |
| Payment\_Details\_ID(Primary Key) | INT 10 |
| Address\_ID (Foreign Key) | INT 10 |
| Name\_On\_Card | VARCHAR 12 |
| Card\_Number | BIGINT 16 |
| Card\_Expiry\_Date | DATE |
| Card\_Verification\_Code | INT 3 |

**Address**

|  |  |
| --- | --- |
|  | **Data Type** |
| Address\_ID(Primary Key) | INT 10 |
| Address\_Line1 | VARCHAR 12 |
| Address\_Line2 | VARCHAR 12 |
| City | VARCHAR 12 |
| Country | VARCHAR 12 |
| Post\_Code | VARCHAR 8 |

**Order**

|  |  |
| --- | --- |
|  | **Data Type** |
| **Order\_ID** (Primary Key) | INT 10 |
| **User\_ID** (Foreign Key) | INT 10 |
| **Basket\_ID** (Foreign Key) | INT 10 |
| **Service\_ID** (Foreign Key) | INT 10 |
| Service\_Price | INT 10 |
| Service\_Category | VARCHAR 12 |

**Basket**

|  |  |
| --- | --- |
|  | **Data Type** |
| **Basket\_ID** (Primary Key) | INT 10 |
| **Order\_ID** (Foreign Key) | INT 10 |
| **Service\_ID** (Foreign Key) | INT 10 |

## Entity Relationship Diagram

