2. Architectural Design

2.1 High level components and interfaces

2.1.1 Components

 Cow Management component

This is one of the key components of the Cow Registration and Login System. This is where the User or Admin selection option is implemented. This also includes the User profile , Admin Profile, Butcher information, Cow information with specification with video and pictures , also there is information about location details.

 Admin and user management component

This is the major sub system that is responsible for the security of the Cow Registration system. It authenticate users and also handles the user profile and order activities such as creating new user accounts, removing accounts from the system etc. Furthermore this component Implements the “control access privilege matrix”.

 Cow component

This is the key component that implements the functions related to the cow specification operations of administrator such as adding a new Cow with cow specification, editing cow details and order item or change location or change phone number and removing cows or details change about cow specification or specific cow order etc. Cow component is also responsible for displaying the available cow or animal list.

 Chart component

Chart component is a component where the final page arrive. Here user can modify or change his/her phone number or location and add to the payment page and define the payment method. In this page help admin can know where he should delivered that cows or animal. In this case there is some important notification method where admin can send some important information or delivery message through notification.

 Public component

This is a relatively small subsystem compared to the other components of the cow Registration System.

Student component

UserSelectCowsOrAnimal: This interface will provide the available cow or animal list for the website. This allows the user to choose the cows or animal, hence a busy interface. This interface is the bridge between the user component and the animal component.

userProfile: This interface is used for the user to view and edit personnel information.

Authentication and user management component

authenticateUser: This is the interface that allows the users to login to the system. This will guide the user to the relevant home page.

Cow or Animal component

newCowOrAnimals: This interface is where administrator adds new cows or animal. The cows and admin components are connected.

editCowsOrAnimal: In this interface the administrator edit existing cows or animals specification details. The Cows or animals and user components are connected.

Publish component

Getnotice: This is the interface where the notifications are published. This is the interface where the time table is published. This is connected with the cows or animals component.

Public component

viewFinalChart: This is the interface which shows the final shopping or order chart adding total money, therefore connected with the cowsOrAnimals component.