<Online Auction>

Requirements Specification and Analysis

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REQUIREMENTS ANALYSIS DOCUMENT[1]

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# Introduction

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## Purpose of the System

The purpose of the auction app is to provide an app where people can buy or sell products on an online auction by using their phones

## Scope of the System

Users will be able to search the products that they want by entering information about the product and view any product on the auction app, they will be able to see information about the product such as price, category, name and other information depending on the category. Users can sign up to the system and by doing that they will be able to buy a product on the auction app by making an offer for the product on the auction. Registered users will also be able to put a product on an auction and sell it on the auction app but in order to do that they need to get approval from admin. Admin will be able to edit user profiles or delete a user. Registered users will be able to freeze their account and by doing that they will stop any kind of action taking place through their account. If users confronts any problem while using the system they will be able to communicate with admin.

## Objectives and Success Criteria of the Project

The purpose of the Online Auction System is to provide the users a mobile app that allowes people to buy or sell products on online auctions. This app will provide users a service that they will be able to make offer and buy a product on an auction or sell a product on an auction using very little number of steps. Users will be able to do that through their phone anywhere. They will be supported if they confronted a problem while using the system

## Definitions, Acronyms, and Abbreviations

Admin: Admin is an actor in auction app, admin is the actor who manages everything about auction app.

Registered User: An actor of the system, registered user is a user who signed up to the system to be able to buy or sell products.

User: A user who has not signed up to the system and so visitor is not able to buy or sell products.

## Overview

\*Rest of the RAD contains non-functional (includes usability, reliability,

performance, supportability, implementation, interface, operational, packaging,

and legal requirements) and functional requirements (includes high-level

functionality of the system).

\*System models are given. Scenarios are in side of system models section. Scenarios are to tell us the details of functional requirements. Use case models (definitions & diagrams), object model (UML diagram ),dynamic model(functiions of the sequence diagrams) , user interface view (mockup) and Project Schudule (Gantchart) are parts of system models.

section.

\*Finally, RAD consist of two parts. These ara glossary (dictionary) and references (digital sources).

# Current System

There are mobile applications that are related to local producers. These mobile applications are to provide shopping for consumer. The mobile applications mentioned are eBay,gittigidiyor and sahibinden. There is no mobile applications which has goals like the we proposed system.

# Proposed System

## Overview

Our auction application is an mobile auction style trade app that can be used by everyone from students to seniors.You can use the application as a user to look around or registered user to participate or create your own auction.People will always want to sell their products but there is always a hard part and it is pricing the product that you are going to sale. By auction application the user can get the maximum amount of money of their product because buyers decides the price for it. Users can only see the ongoing auctions and their details for so, registered users are can create their own auctions just simply clicking few buttons. It can be an auction for books to paintings or so.Every registered user can bid for an auction by just selecting to amount to bid and after the procces anytime he/she wants can look at their previous bids.There is a lot of difference between being a user and registered user but the bigger difference begins with the admin permissions. Admins are the key of the auction procces. When a registered user creates an auction, the auction approval send to the admin and admin should approve the pending auction application.Without approvement the auction will never go live.Admin can also ban a user’s account that scammed another user or violate any other policies. Registered users previous won or lost auctions can be see their profile pages. Admins and other users will also be able to look eachothers profile pages also.

## Functional Requirements

Our application is a mobile online auction manager/publisher/analyser platform for everyone who wants to buy or sell items through their mobile phones and easily and most importantly fast.

On the registered users side the application has several functions to offer such as , they can look through the going auctions through the main page and if they want to make a bid to them they will do it easily. Or they can just simply want to create an auction they can make it easy and fast through the application.

On the user side. Users are just downgraded versions of the registered users. They can just use the main page to check some auctions going on and get notified.If they want to participate for an auction they have to register to do so.

Admins are the ones who controls the all procces by simply just giving approvement to the pending auctions so everyone can see. Also they can freeze the users who are not being respectfull to the rules. Admins can also reach to the users profile and also make some looking.To sum up. The most important function is the “approve” fuction the system has to offer because with it the auctions will be available for all.

## Nonfunctional Requirements

### Usability: For a person who wants to bid for an auction should make 12 clicks to register (including clicks made for login and approve bid, register procces)

### Reliability: Application servers should be running %100 of the time to application runs.

### Performance: System should must allow least 1000 parallel users.

### Supportability: The system should be maintained and changeable easily

### Implementation: Javascript Framework of the React-native is used that project

### Interface: The interface should be implemented with android studio.

### Packaging:

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## System Models

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### Scenarios

Admin Scenarios

|  |  |
| --- | --- |
| *Scenario name* | **Deleting/Freezing a registered user** |
| *Participating actors* | Berkay as Admin  Ali as Registered User |
| *Flow of Events* | 1. Berkay as an admin opens his application via his mobile phone to ban Ali’s account because of Ali’s fraud intention on an auction.Berkay logs in to the system by entering his username and password and clicking “log in” button. 2. After berkay opened his admin account he opened his profile section by clicking on the profile button on the screen. And after berkay clicked the profile page opens. 3. Berkay clicks on the users section on the main menü and the section opens up in a new page, Berkay clicks the search area and writes Ali’s username there and then clicks search. 4. Berkay clicks the edit button next to the name of corresponding username and the editing page opens up. 5. Berkay checks the “Ban” button in the users page and then clicks “save” button to complete the banning task. |

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| --- | --- |
| *Scenario name* | **Updating an users status/info** |
| *Participating actors* | Berkay as Admin  Tolga as Registered User |
| *Flow of Events* | 1. Berkay as an admin opens his application via his mobile phone to promote Tolga’s account to become a Editor. Berkay logs in to the system by entering his username and password and clicking “log in” button. 2. After berkay opened his admin account he opened his profile section by clicking on the profile button on the screen. And after berkay clicked the profile page opens. 3. Berkay clicks on the users section on the main menü and the section opens up in a new page, Berkay clicks the search area and writes Tolga’s username there and then clicks search. 4. Berkay clicks the edit button next to the name of corresponding username and the editing page opens up. 5. Berkay clicks to the “Promote as editör” section in the settings of the Tolga’s account and he approves the task by clicking the “Yes” button on the screen that ask for approval from berkay. |

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| *Scenario name* | **Viewing Messages and reply** |
| *Participating actors* | Berkay as Admin  Gözde as Registered User |
| *Flow of Events* | 1. Berkay as an admin opens his application via his mobile phone to do some inbox check and return customer messages. He enters his username and password to log in as an admin 2. Berkay clicks the “My messages” section and messages page opens up. Berkay looks for the messages and opens the user Gözde’s message. 3. Message page opens up and berkay reads the full message on this page and After reading Gözdes message , an information mail send to gözde tol et her know her issue is being issued. |

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| *Scenario name* | **Log-in as Admin** |
| *Participating actors* | Berkay as Admin |
| *Flow of Events* | 1. Berkay as an admin opens his application via his mobile phone and he enters his username and password to log in as an admin and then he clicks to “Log in” button. 2. Berkay succesfully logs in to the app.. |

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| --- | --- |
| *Scenario name* | **Approving an Auction** |
| *Participating actors* | Berkay as Admin |
| *Flow of Events* | 1. Berkay as an admin opens his application via his mobile phone to do some auction approving. He enters his username and password to log in as an admin 2. After berkay opened his admin account he opened his profile section by clicking on the profile button on the screen. And after berkay clicked the profile page opens. 3. He selects the pending auctions section by clicking on it and the applications page opens up.Berkay looks at the applications and checks the application creaters information, application info and checks its avaliablity. 4. Berkay decides to approve or deny the application through its information and clicks the corresponding button either “approve” or “decline” |

Registered User Scenarios

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| *Scenario name* | **Freezing Account on the auction app** |
| *Participating actors* | Ali as Registered User |
| *Flow of Events* | 1. Ali wants to freze his account, so he clicks on my account on home page. 2. Ali clicks on the freeze account button on the page. |

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| *Scenario name* | **Signing in to the auction app** |
| *Participating actors* | Ali as Registered User |
| *Flow of Events* | 1. Ali wants to use his account, so he clicks on the login icon on the home page. 2. Ali writes his Registered Username and password and clicks on login button. |

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| *Scenario name* | **Signing out of auction app** |
| *Participating actors* | Ali as Registered User |
| *Flow of Events* | 1. Ali clicks on sign of button. |

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| *Scenario name* | **Giving an offer for an item** |
| *Participating actors* | Ali as Registered User |
| *Flow of Events* | 1. Ali selects an item that he wants and clicks on it. 2. Ali enters an amount of Money for the item, more than the last offer or starting price and clicks on apply button. |

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| *Scenario name* | **Selling an item on auction app** |
| *Participating actors* | Ali as Registered User |
| *Flow of Events* | 1. Ali wants to sell an item, so he signs in to the auction app. 2. Ali clicks on sell item button. 3. Ali enters the name and description of the item and clicks on the put it on auction button. |

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| *Scenario name* | **Searching an item on auction app** |
| *Participating actors* | Ali as Registered User |
| *Flow of Events* | 1. Ali wants to see the items on the auction app before buying one, so he opens the app on his phone. 2. Ali writes information about a certain product in the searchbox and clicks on search. |

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| *Scenario name* | **Viewing an item on auction app** |
| *Participating actors* | Ali as Registered User |
| *Flow of Events* | 1. Ali wants to obtain information about an item, so he opens the app. 2. Ali selects and item and clicks on it. |

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| *Scenario name* | **Sending a message** |
| *Participating actors* | Ali as Registered User |
| *Flow of Events* | 1. Ali has a message he wants to send someone so he opens the app on his phone. 2. Ali enters his Registered Username and password and logins to the system. 3. Ali clicks on message box button. 4. Ali writes a message, subject and reciever’s name and clicks on send. |

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| *Scenario name* | **Checking Messages** |
| *Participating actors* | Ali as Registered User |
| *Flow of Events* | 1. Ali has a message he wants to send someone so he opens the app on his phone. 2. Ali enters his Registered Username and password and logins to the system. 3. Ali clicks on message box button. 4. Ali opens one of the messages. |

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| *Scenario name* | **User Wants to see Products He/She Bought** |
| *Participating actors* | Ali as User |
| *Flow of Events* | 1. Ali wants to look at the products he has bought before and he opens the app on his phone. 2. Ali signs in to the system. 3. Ali opens the user panel and clicks on the “Buy Products” button. |

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| *Scenario name* | **User Wants to see Products He/She Sold** |
| *Participating actors* | Ali as User |
| *Flow of Events* | 1. Ali wants to look at the products he has sold before and he opens the app on his phone. 2. Ali signs in to the system. 3. Ali opens the user panel and clicks on the “Sell Products” button. |

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| *Scenario name* | **User Wants to see offers He/She Made** |
| *Participating actors* | Ali as User |
| *Flow of Events* | 1. Ali wants to look at the offers he has made before and he opens the app on his phone. 2. Ali signs in to the system. 3. Ali opens the user panel and clicks on the “Offers” button. |

User Scenarios

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| --- | --- |
| *Scenario name* | **User on Home Page** |
| *Participating actors* | Tekin:User |
| *Flow of Events* | 1. Tekin wants to learn which items will be sell with auction. He opened the application and saw the home page. 2. Items are listed on him, he wants to know details about an item and clicked on that. 3. App redirects him to detail page. He sees detail of item and auction which has been continuing. |

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| *Scenario name* | **User on Detail Page** |
| *Participating actors* | Tekin:User |
| *Flow of Events* | 1. Tekin wants to see detail of item. He clicks item on item list and redirect detail page. 2. After detail page opened, he sees photos, name, infos and auction details which has been continuing. |

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| --- | --- |
| *Scenario name* | **User Searchs an Item** |
| *Participating actors* | Tekin:User |
| *Flow of Events* | 1. Tekin wants to search an item. He can search both of name or category. He types search bar on home page and clicks search button. 2. Items are listed on him about his search. He clicks an item which wanted to see details.p |

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| --- | --- |
| *Scenario name* | **User Logins** |
| *Participating actors* | Tekin:User |
| *Flow of Events* | 1. Tekin wants to login application. He clicks login button and redirects login screen. 2. After redirecting login screen he fill login form with credentials and redirecting home page with user authentication |

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| --- | --- |
| *Scenario name* | **User Registers** |
| *Participating actors* | Tekin:User |
| *Flow of Events* | 1. Tekin wants to register application. He clicks register button and redirects register screen. 2. After redirecting register screen he fill login form with credentials and redirecting home page with user authentication |

### Use case model

Use case definitions

* Admin’s Use Case Definitions

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| --- | --- |
| *Use case name* | **ViewUser** |
| *Participating actors* | Admin |
| *Flow of events* | 1. The Admin opens the application through his/hers phone 2. He/She enters the users page by clicking on it 3. Admin clicks to the search bar that opened in the users page and writes the wanted user’s name to the bar. 4. System shows the avaliable user(s) fort he search term or shows the “no user” message to the admin. |
| *Entry condition* | * Admin has to be logged in |
| *Exit condition* | * Admin succesfully gets the info of the User OR * The Username is not avaliable |
| *Exceptional*  *Cases* | * [There is no User]: If the Username is not saved on the database , The system shows “no user” result. |

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| --- | --- |
| *Use case name* | **FreezeUser** |
| *Participating actors* | Admin |
| *Flow of events* | 1. The Admin opens the application through his/hers phone 2. He/She enters the user page by clicking on it. 3. Admin clicks to the search bar and enters the name of the user. 4. System shos the avaliable user list fort he search term 5. Admin clicks the Icon next to users name for the delete/freze operation 6. System opens a “Are you sure” message. 7. Admin clicks the “YES” button and user succesfully deletes/freezes |
| *Entry condition* | * Admin has to be logged in |
| *Exit condition* | * Admin succesfully deletes the user OR * The Username is not avaliable |
| *Exceptional*  *Cases* | * [There is no User]: If the Username is not saved on the database , The system shows “no user” result. |

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| --- | --- |
| *Use case name* | **Logout** |
| *Participating actors* | Admin |
| *Flow of events* | 1. The Admin opens the application through his/hers phone 2. Admin opens the profile section 3. Admin clicks the logout button that is on his/hers profile section 4. Admin succesfully logged out and directed to the main page. |
| *Entry condition* | * Admin has to be logged in |
| *Exit condition* | * Admin succesfully logs out |
| *Exceptional*  *Cases* |  |

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| --- | --- |
| *Use case name* | **Login** |
| *Participating actors* |  |
| *Flow of events* | 1. The Admin opens the application through his/hers phone  2. Admin clicks the log in button that is on the screen  3. Admin enters his/hers username and password the the given blank spots.  4. Admin clicks to the log in button |
| *Entry condition* | * Login page must be opened |
| *Exit condition* | * Admin succesfully logs in OR * Admin gets a message thet shows why he/she cant log in |
| *Exceptional*  *Cases* | * [Invalid character]: If the system detects an invalid character entered in the username or password section , system will send an error message with the details of it. * [Invalid Username or Password]: If the username and password are not matched in the database , system will give an error message saying “Invalid username or password”. |

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| --- | --- |
| *Use case name* | **Approve** |
| *Participating actors* | Admin |
| *Flow of events* | 1. The Admin opens the application through his/hers phone  2. Admin enters his/hers profile section  3. He opens the “Pending applications” section  4. He looks the penging auctions list and finds the application he/she is looking for.  5. Admin clicks the Approve button to approve an auction OR  Admin clicks to the Decline button to decline an auction |
| *Entry condition* | * Admin has to be logged in |
| *Exit condition* | * Admin succesfully approves an auction OR * Admin succesfully declines an auction |
| *Exceptional*  *Cases* |  |

Registered User Use Case Definitions

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| --- | --- |
| *Use case name* | Login |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User opens the app on his/her phone. 2. AUCTIONSYSTEM displays the home page that shows “Login” button, “Sign up” button and top products. 3. Registered User clicks on the “Login” button. 4. AUCTIONSYSTEM displays the login page that asks the Registered User for Registered Username and password. 5. Registered User enters his/her Registered Username and password and clicks on login button. 6. AUCTIONSYSTEM system takes the information in the text boxes and checkes if they exist in the database, opens the Registered Users account and displays the Registered User panel page.[incorrect Registered Username or password][Empty Boxes] |
| *Entry condition* | * Registered User already signed up to the system. |
| *Exit condition* | * Registered User logged in. |
| *Exceptional cases* | * [Incorrect password or Registered Username]: AUCTIONSYSTEM detects that Registered Username or password does not exist in the database, it displays a message that says incorrect Registered Username or password, asks the Registered User to try again and displays the login page. * [Information Not Given]: AUCTIONSYSTEM detects that Registered Username or password is not written and asks the Registered User to enter the empty information. |

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| --- | --- |
| *Use case name* | Make offer |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User selects an item and clicks on it. 2. AUCTIONSYSTEM displays the product page that shows the product description and the last offer. 3. Registered User clicks on “Give an offer” button. 4. AUCTIONSYSTEM displays a page asking Registered User to enter an offer. 5. Registered User enters an amount of Money and clicks on “Yes” button.[Not enough money][Invalid character] 6. AUCTIONSYSTEM takes entered amount and saves it as highest offer. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User is the highest bidder. |
| *Exceptional cases* | * [Not enough money]: AUCTIONSYSTEM detected that the amount entered by Registered User is less than the last offer, AUCTIONSYSTEM displays a message saying “Offer must be higher than the last offer.” And displays the product page. * [Invalid character]: AUCTIONSYSTEM detects an invalid character in the offer text box, it displays a message saying invalid character and asks Registered User to enter again. |

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| --- | --- |
| *Use case name* | Sell |
| *Participating actors* | Registered User, Admin |
| *Flow of events* | 1. Registered User clicks on the Registered User panel button. 2. AUCTIONSYSTEM displays the Registered User panel page. 3. Registered User clicks on the “Make an auction” button. 4. AUCTIONSYSTEM displays a page asking for the category of the item. 5. Registered User selects a category. 6. AUCTIONSYSTEM displays page asking for information about the item( these informations depends on the category of the item; , year, painter, name, resolution for paintings, year, writer, name for books, product year, type, name, brand, point size for pencil, year, brand, model, size for bags and year, type, name for others).[invalid character] 7. Registered User enters the information about the product and clicks on “send for approval” button. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Product is in the product list of the system. |
| *Exceptional cases* | * [Invalid character]: AUCTIONSYSTEM detects that a text box is empty or that a text box has got an invalid character and it displays a message saying invalid information and asks the Registered User to try again and displays the sell product page. |

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| --- | --- |
| *Use case name* | Search |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks on the search icon at the bottom of the home page and enters one or more words describing the product he wants to see and clicks on the search button.[Search Bar Empty] 2. AUCTIONSYSTEM lists the products that fits the description. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User can see the list of products. |
| *Exceptional Cases* | * [Search Bar Empty]: AUCTIONSYSTEM can not find a description in the search bar and displays a message saying ”You need to enter a word”. |

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| --- | --- |
| *Use case name* | ViewProducts |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks on an Product’s link. 2. AUCTIONSYSTEM will display the product page. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User can see the product page. |
| *Exceptional Cases* | * None |

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| --- | --- |
| *Use case name* | Logout |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks on the logout button. 2. AUCTIONSYSTEM treats Registered User as a visitor. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User is a visitor now. |
| *Exceptional Cases* | * None. |

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| *Use case name* | Freeze account |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User opens the Registered User panel and clicks on freze account button. 2. AUCTIONSYSTEM saves the Registered User’s account as frozen and does not allow the Registered User to buy or sell a product. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User signed up. |
| *Exceptional Cases* | * None. |

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| --- | --- |
| *Use case name* | Send Message |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User opens the app on his/her phone. 2. Registered User clicks on MessageBox button. 3. AUCTIONSYSTEM displays the message box page. 4. Registered User clicks on send message button. 5. AUCTIONSYSTEM asks the Registered User, who will recieve the message , subject of the message and to write down the message.[No reciever] 6. Registered User writes the message, subject and the reciever and click on send. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Reciever can see the message. |
| *Exceptional Cases* | * [No Reciever]: AUCTIONSYSTEM detects that Registered User did not write the reciever’s name and displays a message saying “Reciever is unspecified”. |

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| --- | --- |
| *Use case name* | CheckMessage |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User opens the app on his/her phone. 2. Registered User clicks on MessageBox button. 3. AUCTIONSYSTEM displays the message box page. 4. Registered User clicks on one of the messages. 5. AUCTIONSYSTEM displays the message. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User can read the message. |
| *Exceptional Cases* | * None. |

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| --- | --- |
| *Use case name* | Change Profile Information |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks on the Registered User icon at the bottom of the home page. 2. AUCTIONSYSTEM displays the Registered User panel. 3. Registered User clicks on the “change profile information” button. 4. AUCTIONSYSTEM asks for new Registered Username, e-mail and password. 5. Registered User enters the new information he wants to use and clicks on save.[invalid character] |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User’s profile information is different. |
| *Exceptional Cases* | * [Invalid character]: AUCTIONSYSTEM detects that a text box is empty or that a text box has got an invalid character and it displays a message saying invalid information and asks the Registered User to try again and displays the sell product page. |

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| --- | --- |
| *Use case name* | ForgetPassword |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks on login button on the home page. 2. AUCTIONSYSTEM displays the login page. 3. Registered User clicks on “forget password” button. 4. AUCTIONSYSTEM displays a page that asks for the Registered Username. 5. Registered User enters the Registered Username and clicks on send. 6. AUCTIONSYSTEM sends the new password to Registered User’s e-mail. |
| *Entry condition* | * Registered User must be logged in. |
| *Exit condition* | * Registered User has got a new password. |
| *Exceptional Cases* | * None. |

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| --- | --- |
| *Use case name* | SeeBoughtProducts |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks the user icon at the bottom of the home page. 2. AUCTIONSYSTEM displays the user panel page. 3. Registered User clicks on “Buy Products” button. 4. AUCTIONSYSTEM displays the list of products that user has bought before. |
| *Entry condition* | * User must be logged in. |
| *Exit condition* | * User can see the products he has bought before. |
| *Exceptional Cases* |  |

|  |  |
| --- | --- |
| *Use case name* | SeeSoldProducts |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks the user icon at the bottom of the home page. 2. AUCTIONSYSTEM displays the user panel page. 3. Registered User clicks on “Sell Products” button. 4. AUCTIONSYSTEM displays the list of products that user has sold before. |
| *Entry condition* | * User must be logged in. |
| *Exit condition* | * User can see the products he has sold before. |
| *Exceptional Cases* |  |

|  |  |
| --- | --- |
| *Use case name* | SeeOffers |
| *Participating actors* | Registered User |
| *Flow of events* | 1. Registered User clicks the user icon at the bottom of the home page. 2. AUCTIONSYSTEM displays the user panel page. 3. Registered User clicks on “Offers” button. 4. AUCTIONSYSTEM displays the list of offers that user has made before. |
| *Entry condition* | * User must be logged in. |
| *Exit condition* | * User’s can see the offers he has made before. |
| *Exceptional Cases* |  |

User Use Case Definitions

|  |  |
| --- | --- |
| *Use case name* | **Search-User** |
| *Participating actors* | User |
| *Flow of events* | 1. User opens application with phone. 2. User clicks search bar and type text which is wanted to search. 3. User hit search button for getting items. |
| *Entry condition* |  |
| *Exit condition* | * Items are listed on home page. |
| *Exceptional*  *Cases* | * [No-item]: If there is no item related with searched text system alerts : There is no item related with your search. |

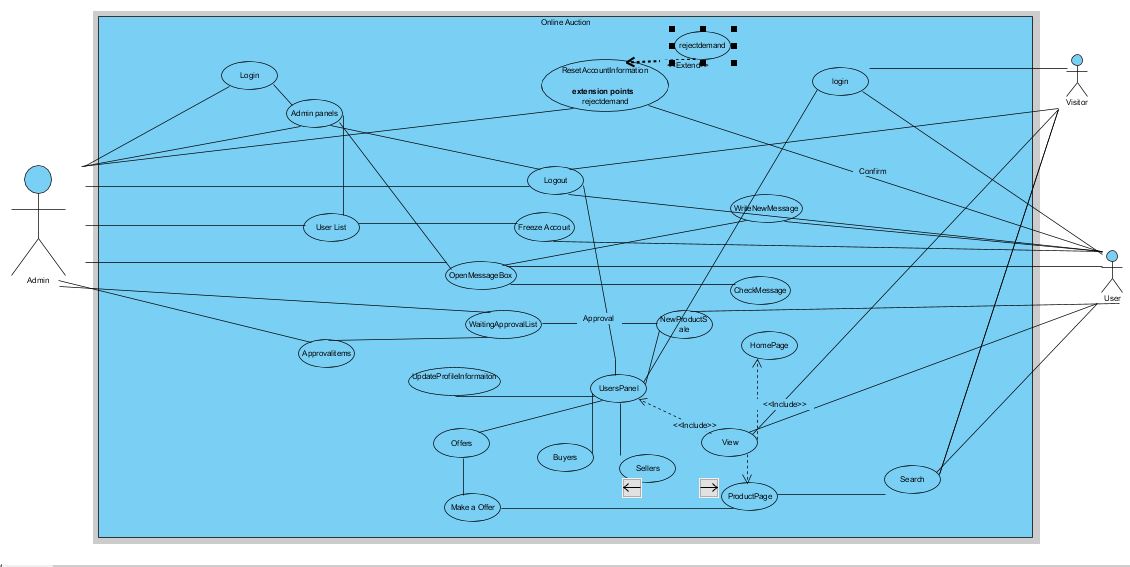
|  |  |
| --- | --- |
| *Use case name* | **Login – User** |
| *Participating actors* | User |
| *Flow of events* | 1. User opens application with phone. 2. User clicks login button on home page. 3. User enters credentials and hit login button. |
| *Entry condition* |  |
| *Exit condition* | * User succesfully logs in OR * User gets a message that shows why User can’t log in |
| *Exceptional*  *Cases* | * [Invalid Username or Password]: If the username and password are not matched in the database , system will give an error message : Invalid username or password. |

|  |  |
| --- | --- |
| *Use case name* | **Register - User** |
| *Participating actors* | User |
| *Flow of events* | 1. User opens application with phone. 2. User clicks register button on home page. 3. User enters username,mail and password and hit register button. |
| *Entry condition* |  |
| *Exit condition* | * User succesfully logs in OR * User gets a message that shows why User can’t log in |
| *Exceptional*  *Cases* | * [Invalid Username or Password]: If the username and password are not matched in the database , system will give an error message : Invalid username or password. |

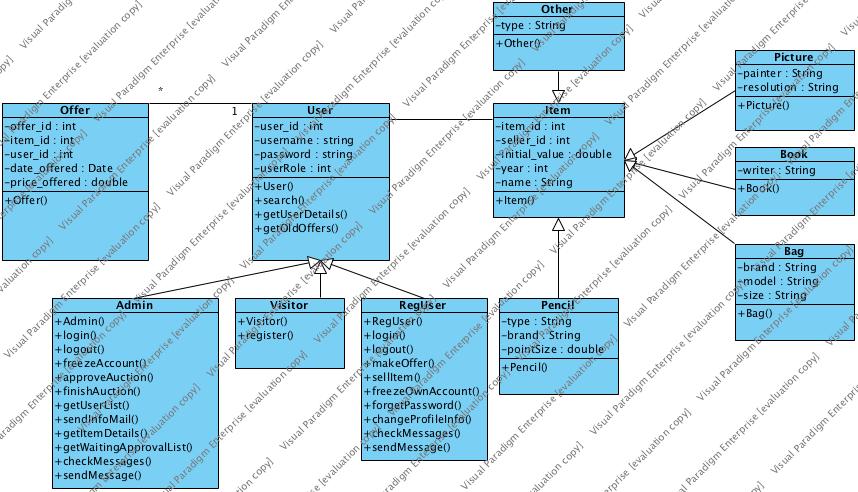
|  |  |
| --- | --- |
| *Use case name* | **ItemDetails - User** |
| *Participating actors* | User |
| *Flow of events* | 1. User opens application with phone. 2. User clicks an item on home page or search page. |
| *Entry condition* |  |
| *Exit condition* | * User succesfully logs in OR * User gets a message that shows why User can’t log in |
| *Exceptional*  *Cases* | * [Invalid Username or Password]: If the username and password are not matched in the database , system will give an error message : Invalid username or password. |

Use Case Model

Use case Model of the detailed is in the rar

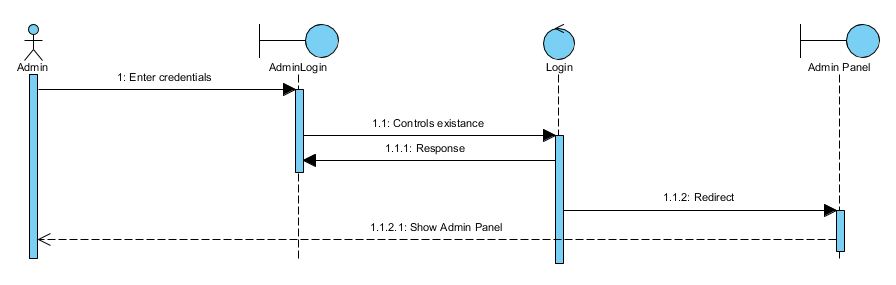
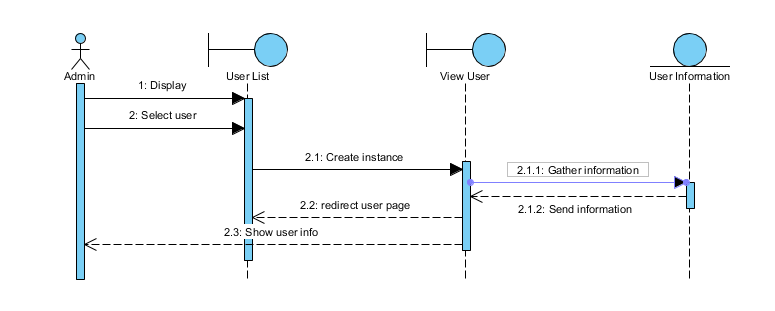
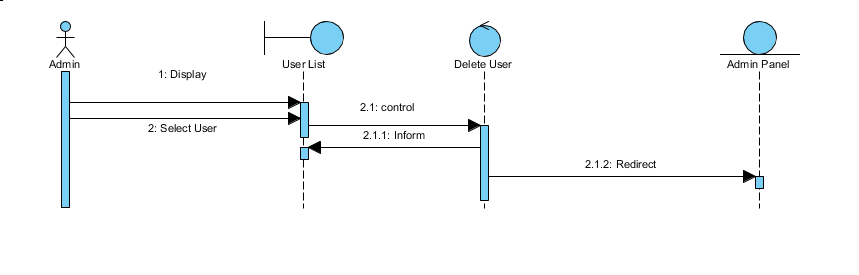
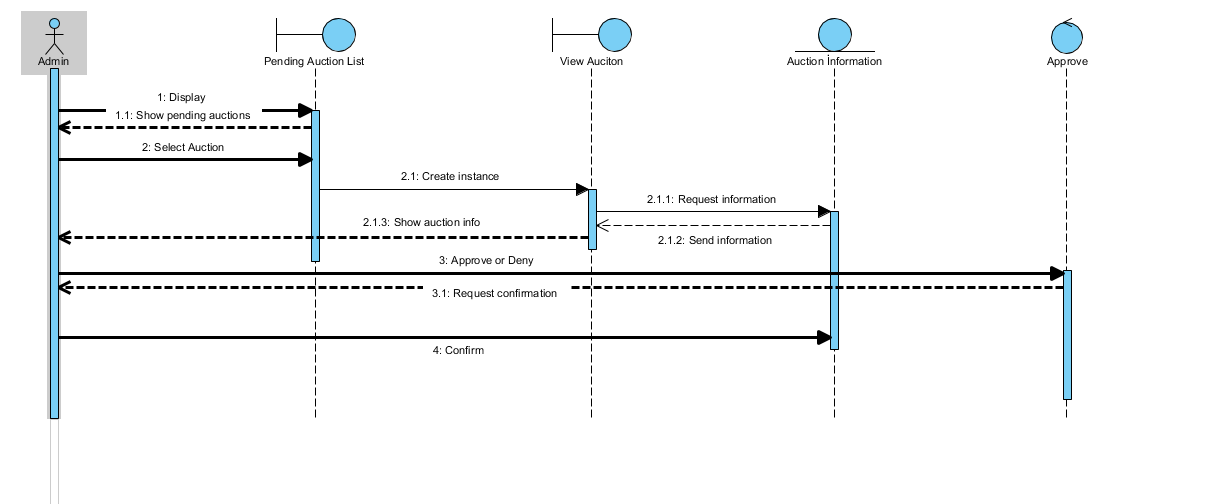


### Object model

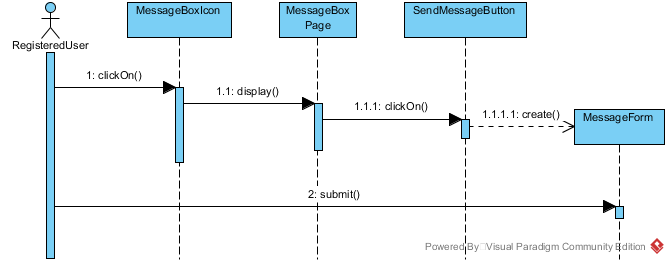
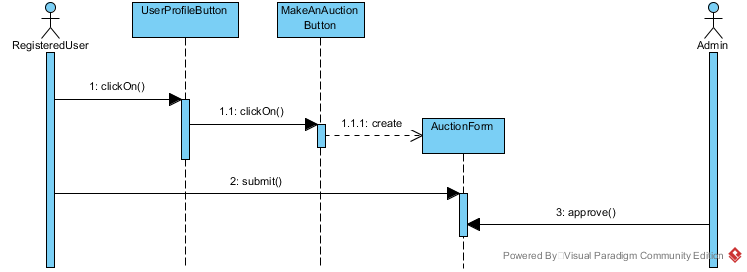
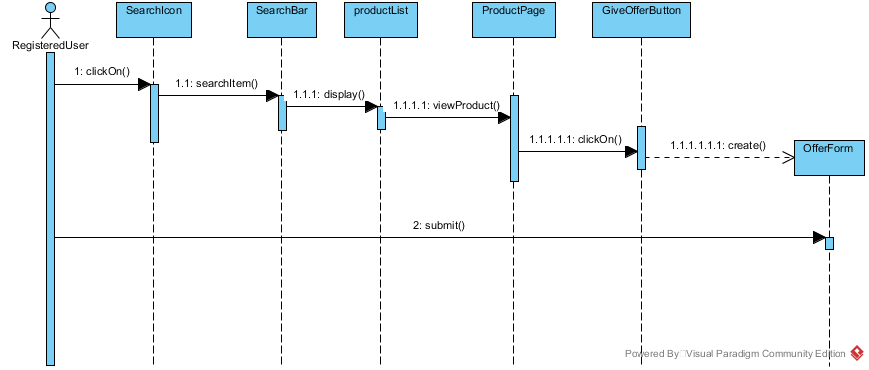
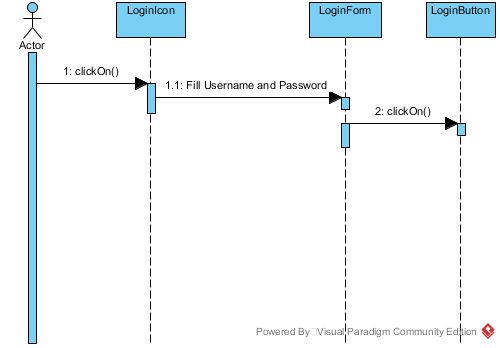
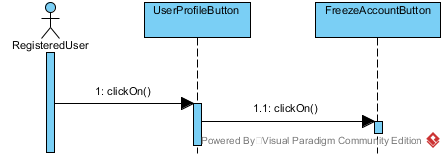
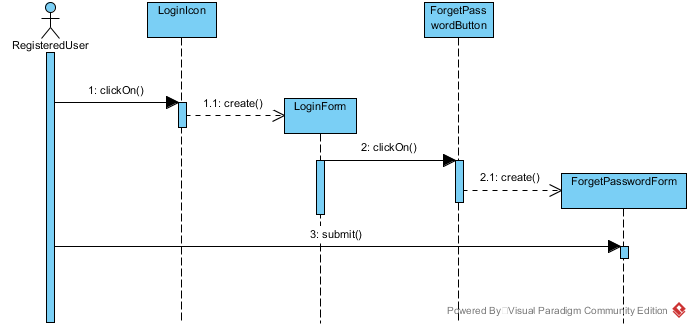
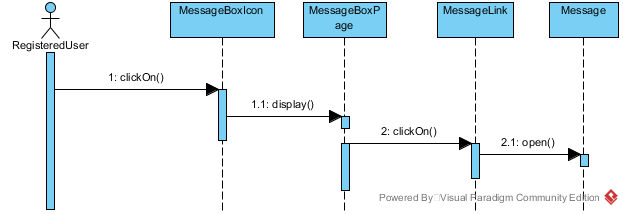
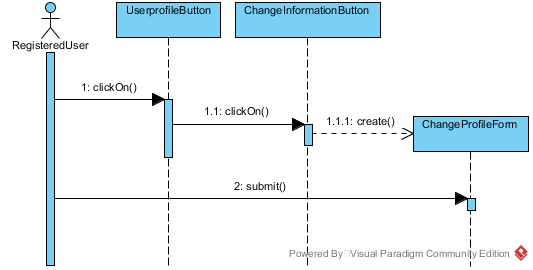


### Dynamic model

Admin Sequence Diagrams



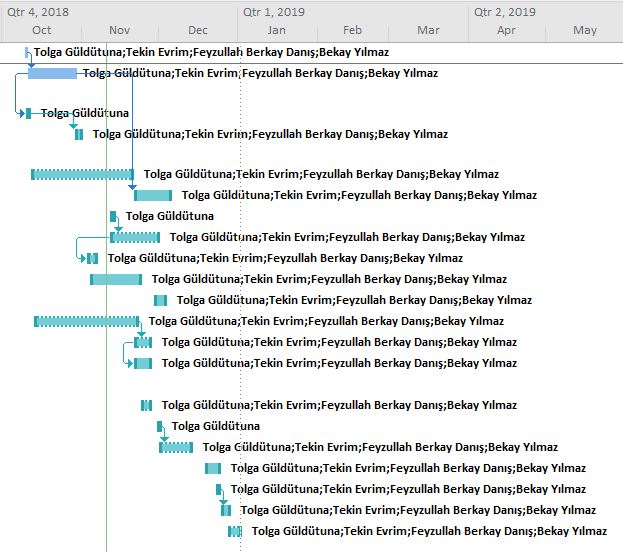
Registered User Sequence Diagrams



### User interface—navigational paths and screen mock-ups

Mockups PDF File is in the rar.

## Project Schedule



# Glossary

Admin panel: It is a panel that admin has only. It consists of a menu that includes

management function for admin.

User panel: It is a panel that registered user has only. It consists of a menu that includes sell,messages etc. Of the registered user function.

Search: Everbody can search mobile application.

Sell: Everyone registered user can make an auction.

# References

* Gittigidiyor
* Ebay
* Sahibinden