**IT23187078: AMAN MOHAMED M.A**

* Individual contributions
* Created use case diagram for **Registration (Registering to the website and requesting to purchase a land)**
* Worked on actor – **Unregistered user.**
* Worked on creating use case scenario for **Register as a user.**
* Challenges faced.
* We had an IWT and other assignments at the same time to submit, so we had to manage the time.
* Difficult to identify use case generalization.
* Due to continuous lectures and labs sessions, we didn’t have enough time to do the assignments.

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| **Number** | 1 | |
| **Name** | Buy a land | |
| **Summary** | User registers to the website to buy a land | |
| **Priority** | 5 | |
| **Pre-condition** | User has navigated to the company website | |
| **Post-condition** | User has sent a request to purchase the land | |
| **Primary actor(s)** | Unregistered user | |
| **Trigger** | User has chosen to purchase a land through the website | |
| **Main scenario** | **Step** | **Action** |
|  | 1 | System displays the home page |
|  | 2 | User selects appropriate filter according to their land preference |
|  | 3 | System displays registration page |
|  | 4 | User enters required details |
|  | 5 | User agrees to the terms and conditions |
|  | 6 | User signs up as “Seller/Buyer” |
|  | 7 | System validates entered information |
|  | 8 | User receives a verification email |
|  | 9 | System updates user information in a secured database |
|  | 10 | System activates user’s account |
|  | 11 | System navigates user to “All Lands” page |
|  | 12 | User browses and select the land of their preference |
|  | 13 | System displays the land details |
|  | 14 | User clicks “Request to purchase” |
| **Extension** | **Step** | **Branching action** |
|  | 4a | System notifies an error message prompting the user to fill all required fields |
|  | 4a | System alerts the use if their password fails to meet the security requirement |
|  | 4a | System notifies an error message when user fails to agree the terms and conditions |
| **Open issues** |  |  |
|  | 1 | System delays verification email |
|  | 2 | Customer has accidentally submitted inaccurate information |

**IT23255142: HANA S.M.F**

* Individual contributions
* Created use case diagram for **Contacting buyer or seller to facilitate negotiations and confirm the deal.**
* Worked on actor – **Agent.**
* Worked on creating use case scenario for **log into the website and having the access to the land details and the contact information of the buyer and seller as an agent.**
* Challenges faced.
* As a leader I had to change use case diagrams three or four times after

considering the other members ideas

* Had to allocate more time just to finalize the submission of assignment.
* We had an IWT and other assignments at the same time to submit, so we had to manage the time.

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| **Number** | 2 | |
| **Name** | Contacting buyer and seller | |
| **Summary** | Agent contacts buyer or seller to facilitate negotiations and confirm the deal | |
| **Priority** | 5 | |
| **Pre-condition** | Agent has logged in to the website and has access to the land details and the contact information of the buyer and seller | |
| **Post-condition** | Communication between the buyer and seller is established to facilitate the land transaction | |
| **Primary actor(s)** | Agent, Admin | |
| **Secondary actor(s)** | Registered user | |
| **Trigger** | Agent is ready to contact with the buyer and seller | |
| **Main scenario** | **Step** | **Action** |
|  | 1 | System displays the home page |
|  | 2 | User logs into the system |
|  | 3 | System navigates the user to employee dashboard |
|  | 4 | User browses through the customer request list |
|  | 5 | User accepts customer request according to the approval of the admin |
|  | 6 | System reveals the contact information of the customer |
|  | 7 | User decides to communicate with buyer and seller |
|  | 8 | User clicks on contact buyer or seller button |
|  | 9 | System navigates user to compose a message to buyer or seller |
|  | 10 | User retrieves the requirements and demand from the buyer/seller and conveys it to the buyer/seller |
|  | 11 | User documents the process and submits the report to the admin |
|  | 12 | System securely stores the document, allowing only the required parties for access |
| **Extension** | **Step** | **Branching action** |
|  | 5a | System notifies the agent has exceeded the number of customers they can accept |
|  | 6a | System notifies lack of contact information of the customer |
| **Open issues** |  |  |
|  | 1 | Ensuring privacy and security of the contact information of buyer and seller |
|  | 2 | Handling communication delay failures |
|  | 3 | Customer is inconsistent about their requirements |
|  | 4 | Customer has provided inaccurate contact information |

**IT23262768: RESHMA M.R.F**

* Individual contributions
* Created use case diagram for **Selling a land.**
* Worked on actor – **Registered user.**
* Worked on creating use case scenario for **log into the website and as a registered user lists and advertise the land for sale on the platform.**
* Challenges faced.
* There was a time management problem during this assignment due to the other assignments’ workload.
* While writing the use case scenarios I had a problem with finding the proper main scenarios of the particular use case scenarios.
* We had an IWT and other assignments at the same time to submit, so we had to manage the time.

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| **Number** | 3 | |
| **Name** | Selling a land | |
| **Summary** | The user lists and advertise the land for sale on the platform | |
| **Priority** | 5 | |
| **Pre-condition** | The user has already registered and has access to the system | |
| **Post-condition** | The land is successfully listed for sale platform | |
| **Primary actor(s)** | Registered user | |
| **Secondary actor(s)** | Admin | |
| **Trigger** | User has decided to sell his land | |
| **Main scenario** | **Step** | **Action** |
|  | 1 | System displays the home page |
|  | 2 | User clicks “Post your Ad” button |
|  | 3 | System displays login page |
|  | 4 | User enters username or email and password |
|  | 5 | System navigates the user to the “Post you Ad” page |
|  | 6 | User submits contact information and land information |
|  | 7 | User inserts the image of the land and requests for approval |
|  | 8 | System publishes the land for sale after admins approval |
| **Extension** | **Step** | **Branching action** |
|  | 4a | System suggests “Forgot Password” when user enters inaccurate password |
|  | 6a | System notifies the user to enter all the details required |
|  | 7a | System displays a message to the user after failing to get the approval from the admin |
|  | 8a | System notifies if the agent is trying to contact the user |
| **Open issues** |  |  |
|  | 1 | Delays in document verification process |
|  | 2 | User has uploaded inaccurate or incomplete information |

**IT23238480: AYMAN M.R**

* Individual contributions
* Created use case diagram for **Generate financial reports related to land sales.**
* Worked on actor – **financial officer.**
* Worked on creating use case scenario for **financial officer generating financial reports related to land transactions.**
* Challenges faced.
* To discuss and complete the assignment, it was not enough to meet the group members on the campus, because of that we had to arrange some online meetings too.
* Also, there were some assignments related to other modules as well. So, we had to manage our time efficiently to complete all the assignments before due date.

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| **Number** | 4 | |
| **Name** | Generate financial reports | |
| **Summary** | The financial officer generates financial reports related to land transaction | |
| **Priority** | 4 | |
| **Pre-condition** | The financial officer logs into the website and has access to transaction data | |
| **Post-condition** | Financial reports generated successfully | |
| **Primary actors** | Financial officer, System database | |
| **Trigger** | Financial officer chooses to generate an expense report | |
| **Main scenario** | **Step** | **Action** |
|  | 1 | User logs in to the website |
|  | 2 | System navigates to employee dashboard |
|  | 3 | System displays the type of report (Sales report, Expense report) |
|  | 4 | User clicks on expense report |
|  | 5 | User specifies the time period (Annually, Monthly) |
|  | 6 | System displays the transaction data |
|  | 7 | User retrieves information and generates report |
|  | 8 | User uploads the report |
|  | 9 | System securely stores the report in the database, allowing only the required parties for access |
|  | 10 | User clicks on print report |
| **Extension** | **Step** | **Branching action** |
|  | 3a | System guides to choose the time period |
|  | 6a | System fails to provide transaction data. System alerts the officer and prompts them to try again or technical support |
| **Open issues** |  |  |
|  | 1 | Ensuring data accuracy and integrity |
|  | 2 | Providing customizable report |

**IT23151710: AAZAF RITHA. J**

* Individual contributions
* Created use case diagram for
* Worked on actor –
* Worked on creating use case scenario for
* Challenges faced.
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* …

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| **Number** | 5 | |
| **Name** | Managing accounts | |
| **Summary** | Admin deactivates the account of a previous employee | |
| **Priority** | 3 | |
| **Pre-condition** | The admin logs into the system and has administrative privileges | |
| **Post-condition** | User accounts are current and updated | |
| **Primary actors** | Admin | |
| **Trigger** | Admin chooses to manage the accounts | |
| **Main scenario** | **Step** | **Action** |
|  | 1 | User logs into the website using administrative credentials |
|  | 2 | System navigates the user to the admin dashboard |
|  | 3 | User selects the “Manage accounts” section |
|  | 4 | User clicks “Employee Management” |
|  | 5 | System displays a list of all the employees and their details |
|  | 6 | User selects the employee and clicks “Deactivate account” |
|  | 7 | System displays the confirmation dialog box |
|  | 8 | User clicks “Yes” |
|  | 9 | System deactivates account and removes employee details from the system database |
| **Extension** | **Step** | **Branching action** |
|  | 3a | Admin encounters difficulties in locating specific user account. System provides search and filtering options |
|  | 5a | Admin attempts to modify permissions for a user but encounters errors due to system limitations. System prompts the admin to technical supports |
| **Open issues** |  |  |
|  | 1 | Encounter system errors |