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| Proyecto | **Mercado Gravy** |

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| Revision History | |  |  |  |  | | --- | --- | --- | --- | | **Date** | **Version** | **Details** | **Author** | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |

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| Diagram |  |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase1 |
| **NAME** | Sign up |
| **DESCRIPTION** | Register new User in the system |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | - |
| **NORMAL FLOW** | |
| **ACTORS** | Buyer, Seller (Users in general) |
| **PRECONDITIONS** | Open webpage |
| **ACTIVATION** | Click the sign up button |
| **DESCRIPTION** | 1. User puts username 2. User puts password 3. User re writes password 4. User finishes register by clicking on the finish button 5. The system checks if fields were completed and valid 6. The system gives an answer to the user |
| **POSTCONDITIONS** | After the Use Case finishes, the System’s database needs to store the information about the user if completed. |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. Username not valid   2. System presents message   3. System asks again for the data to be put |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | 1. Password not well rewritten / Password does not fit with requirements    1. System presents message    2. System asks again for the data to be put |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Low |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase2 |
| **NAME** | Log in |
| **DESCRIPTION** | User logs in the system |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | UseCase1 |
| **NORMAL FLOW** | |
| **ACTORS** | Buyer, Seller (Users in general) |
| **PRECONDITIONS** | Open webpage and being already in the users databasse |
| **ACTIVATION** | Click the log in button |
| **DESCRIPTION** | 1. User puts username 2. User puts password 3. User finishes register by clicking on the finish button 4. The system checks if fields were completed and valid 5. The system gives an answer to the user |
| **POSTCONDITIONS** | After the Use Case finishes, the user starts session in his account |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | 1.1 Username not valid/Password invalid  1.2 System presents message  1.3 System asks again for the data to be put |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | - |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Low |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase3 |
| **NAME** | Edit |
| **DESCRIPTION** | Edit information about the User |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | UseCase1  UseCase2 |
| **NORMAL FLOW** | |
| **ACTORS** | Buyer, Seller (Users in general) |
| **PRECONDITIONS** | Open webpage and log in |
| **ACTIVATION** | Click the edit button |
| **DESCRIPTION** | 1. User puts additional information 2. User clicks the OK button 3. The system validates the information 4. The system responds if valid |
| **POSTCONDITIONS** | After the Use Case finishes, the System’s database needs to store the information about the user if completed. |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. Information given not valid   2. System presents message   3. System asks again for the data to be put |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | - |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | None |
| **RISKS** | IN |
| **COMPLEXITY** | Really Low |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase4 |
| **NAME** | Delete Account |
| **DESCRIPTION** | User decides to erase account |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | UseCase2  UseCase3 |
| **NORMAL FLOW** | |
| **ACTORS** | Buyer, Seller (Users in general) |
| **PRECONDITIONS** | Open webpage and be logged in |
| **ACTIVATION** | Click on the edit button |
| **DESCRIPTION** | 1. The User clicks on the remove account button 2. The system sends the User a message to confirm 3. The User clicks the OK button 4. The system logs the User out and removes information from database |
| **POSTCONDITIONS** | After the Use Case finishes, the User looks for items of his interest |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. The User cancels action   2. The system goes back to the edit page |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | - |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Medium |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase5 |
| **NAME** | Search for Item |
| **DESCRIPTION** | Buyer looks for a product |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | - |
| **NORMAL FLOW** | |
| **ACTORS** | Buyer, Seller (Users in general) |
| **PRECONDITIONS** | Open webpage |
| **ACTIVATION** | Write the name of a product on the search bar |
| **DESCRIPTION** | 1. The User writes the name of a product on the search bar 2. The User presses *enter* or clicks the magnifying glass icon 3. The System validates the input and look for the related products 4. The System lists all related products so the User can have access 5. The User has access to all related items on the database with his search |
| **POSTCONDITIONS** | After the Use Case finishes, the User looks for items of his interest |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. Information given not valid   2. System presents message |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | * 1. There are no results   2. The System shows a message on the window |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Medium |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase6 |
| **NAME** | Add to Cart |
| **DESCRIPTION** | Buyer decides to buy product |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | UseCase2  UseCase5 |
| **NORMAL FLOW** | |
| **ACTORS** | Buyer |
| **PRECONDITIONS** | Open webpage, Look for a product and be logged in |
| **ACTIVATION** | Click on the desired product |
| **DESCRIPTION** | 1. Chooses the amount of items he is willing to buy. 2. The buyer than may choose the type of the product he wants(color, size, etc.) 3. The User clicks on the buy button 4. The System adds the item with specifications in the database |
| **POSTCONDITIONS** | After the Use Case finishes, the Cart section is filled with the item and specifications |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. Not enough stock   2. The system sends a message in the screen |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | - |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Medium |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase7 |
| **NAME** | See Cart |
| **DESCRIPTION** | Buyer Decides to check his Cart |
| **EXTENSIONS** | UseCase8 |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | UseCase2  UseCase5  UseCase6 |
| **NORMAL FLOW** | |
| **ACTORS** | Buyer |
| **PRECONDITIONS** | User has to be logged in |
| **ACTIVATION** | User has to click on the shopping cart icon |
| **DESCRIPTION** | 1. The system loads and shows in screen the selected items by the user. |
| **POSTCONDITIONS** | After the Use Case finishes, the User has access to the items he wanted to buy |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. There are no items to show   2. The System presents a message |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | - |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Medium |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase8 |
| **NAME** | Edit Cart |
| **DESCRIPTION** | Buyer Decides to edit items in his Cart |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | UseCase2  UseCase5  UseCase6  UseCase7 |
| **NORMAL FLOW** | |
| **ACTORS** | Buyer |
| **PRECONDITIONS** | User has to be logged in |
| **ACTIVATION** | User has to click on the shopping cart icon |
| **DESCRIPTION** | 1. The User clicks on the edit button 2. The User decreases the amount of items he wants by one 3. The User clicks the OK button 4. The system saves the changes |
| **POSTCONDITIONS** | After the Use Case finishes, the User has the desirable items in the cart |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. There are no items to show   2. The System presents a message |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | * 1. The User clicks the Remove Item from Cart button   2. The system them deletes it from the list |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Medium |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase9 |
| **NAME** | Check Out |
| **DESCRIPTION** | Buyer Decides to check out and proceed to payment |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | UseCase2  UseCase5  UseCase6  UseCase7 |
| **NORMAL FLOW** | |
| **ACTORS** | Buyer |
| **PRECONDITIONS** | User has to be logged in |
| **ACTIVATION** | User has to click on the shopping cart icon |
| **DESCRIPTION** | 1. The User clicks on the Check Out button 2. The System prepares a buying order verification 3. The System asks the user for the type of payment 4. The User confirms payment |
| **POSTCONDITIONS** | After the Use Case finishes, the User has payed for the items he chose |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. There are no items to check out   2. The System presents a message |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | - |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | High |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase10 |
| **NAME** | Verify Payment |
| **DESCRIPTION** | The System verifies payment |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | UseCase9 |
| **NORMAL FLOW** | |
| **ACTORS** | Payment Verification Company |
| **PRECONDITIONS** | User has to Check out an order |
| **ACTIVATION** | User has to click on the Pay button |
| **DESCRIPTION** | 1. The System sends the order to the Payment Verification Company 2. The Company asks for the payment method 3. The Company then verifies the method 4. The Company informs the transaction state |
| **POSTCONDITIONS** | After the Use Case finishes, the System verified the Payment |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. Payment method invalid   2. The System presents a message |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | - |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Medium |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase11 |
| **NAME** | Database Management |
| **DESCRIPTION** | The System manages items and categories inside a database |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | - |
| **NORMAL FLOW** | |
| **ACTORS** | System (Admins) |
| **PRECONDITIONS** | The Admin has to be logged in into his privileged account |
| **ACTIVATION** | Be logged in admin account |
| **DESCRIPTION** | 1. The System shows a list with all available categories 2. The Admin may choose to add a new/modify a category or check Users 3. The Admin edits/checks information inside the category 4. The Admin clicks the OK button 5. The System validates and saves action inside the database |
| **POSTCONDITIONS** | After the Use Case finishes, the System’s database is modified |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | - |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | - |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Medium |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase12 |
| **NAME** | Place Item |
| **DESCRIPTION** | The User as a seller puts an item to sale |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | UseCase2 |
| **NORMAL FLOW** | |
| **ACTORS** | Sellers(Users) |
| **PRECONDITIONS** | The user has to be logged in |
| **ACTIVATION** | Click on the Sell Item button |
| **DESCRIPTION** | 1. The User fills the information/ photos of the product he is willing to sell 2. The User adds a Price to it and shipping information 3. The User clicks the finish button 4. The System verifies information |
| **POSTCONDITIONS** | After the Use Case finishes, the System’s database is modified |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. Information filled invalid/ inexistent   2. The System presents a message |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | - |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Medium |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase13 |
| **NAME** | List of Products |
| **DESCRIPTION** | The User as a seller looks for list of items he is selling / has sold |
| **EXTENSIONS** | UseCase14 |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | UseCase2  UseCase12 |
| **NORMAL FLOW** | |
| **ACTORS** | Sellers(Users) |
| **PRECONDITIONS** | The user has to be logged in |
| **ACTIVATION** | Click on the Check My items button |
| **DESCRIPTION** | 1. The System loads all items the Seller has put to sell and their state ((not) sold, shipping) |
| **POSTCONDITIONS** | After the Use Case finishes, the User has access to items |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. No products on the list   2. The System presents a message |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | - |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Medium |

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| **USE CASE** | |
| **IDENTIFICATION** | UseCase14 |
| **NAME** | Edit List |
| **DESCRIPTION** | The User as a seller edits list of items he is selling |
| **EXTENSIONS** | - |
| **EXCEPTIONS** | - |
| **ASSOCIATE USECASES** | UseCase2  UseCase12  UseCase13 |
| **NORMAL FLOW** | |
| **ACTORS** | Sellers(Users) |
| **PRECONDITIONS** | The user has to be logged in and inside the My Items list |
| **ACTIVATION** | Click on the Edit button |
| **DESCRIPTION** | 1. The User clicks on the edit button 2. The User may change the amount of items he is willing to sell, or the product’s information 3. The User clicks the OK button 4. The system saves the changes |
| **POSTCONDITIONS** | After the Use Case finishes, the User has changed the items he is currently selling |
| **ALTERNATIVE FLOW 1** | |
| **DESCRIPTION** | * 1. No products on the list   2. The System presents a message |
| **ALTERNATIVE FLOW 2** | |
| **DESCRIPTION** | - |
| **DECISION FACTORS** | |
| **FREQUENCY** | Will of the user |
| **CRITICALITY** | Critic |
| **RISKS** | IN |
| **COMPLEXITY** | Medium |