Use Case Number:	1		
Use Case Code:	RRSS-001		
Use Case Name:	Login / Logout		
Depicter:	Mert Tazeoğlu	Last Modificatory:	Mert Tazeoğlu
Description Date:	26.03.2024	Last Modification Date:	26.03.2024

Actor(s):	All user types (admin, merchant, customer, community moderator)
Short Definition:	Log in or log out to the system
Pre-condition:	User is not logged in (for log in), user is not logged out (for log out)
Post-condition:	User is logged in (for log in), user is logged out (for log out)
Priority:	Medium
Frequency of Occurrence:	High if user logs out regularly, otherwise low (It depends on quite many factors)
Main Path:	For login: 1. User enters account information. 2. Information is checked. 3. User enters the system. For logout: 1. User press 'logout' button. 2. User logs out from the system. 3. User is redirected to the login page.
Alternative Path:	For login: 2a. Information is wrong (User is redirected to login page again) 3a. User cannot enter the system (User must reload page and retry again.)
Containing Use-Case(s)	-
Special Requirements:	• Security (encryption, data protection, password management) • Performance (response time, scalability, %99 uptime) • Recoverability (account backup and recovery)
Assumptions:	-
Note:	-

Use Case Number:	2		
Use Case Code:	RRSS-002		
Use Case Name:	Sign Up		
Depicter:	Mert Tazeoğlu	Last Modificatory:	Mert Tazeoğlu
Description Date:	26.03.2024	Last Modification Date:	26.03.2024

Actor(s):	Merchant or customer
Short Definition:	Create an account for the system
Pre-condition:	User does not have an account
Post-condition:	User has an account
Priority:	Medium
Frequency of Occurrence:	Low (1 time per user per lifetime)
Main Path:	1. User enters the required information to create an account. 2. An email of confirmation is sent to user's email address. 3. Account is created.
Alternative Path:	1a. Invalid information (User must enter the correct information.) 2a. Email is not sent (User must reload page and retry again.) 4a. Account is not created (User must reload page and retry again.)
Containing Use-Case(s)	-
Special Requirements:	• Security (encryption, data protection, password management) • Performance (response time, scalability, %99 uptime) • Recoverability (account backup and recovery)
Assumptions:	-
Note:	-

Use Case Number:	3		
Use Case Code:	RRSS-003		
Use Case Name:	Show Profile		
Depicter:	Mert Tazeoğlu	Last Modificatory:	Mert Tazeoğlu
Description Date:	26.03.2024	Last Modification Date:	26.03.2024

Actor(s):	All user types (admin, merchant, customer, community moderator)
Short Definition:	View and manage user profile information.
Pre-condition:	1. User is logged into the system. 2. User profile information is available for viewing.
Post-condition:	1. User views their own profile information or an admin/moderator views another user's profile. 2. Admin may edit the user's profile if necessary, while a moderator may have the ability to mute the user.
Priority:	For User: Low For Merchant: Medium For Admin/Community Moderator: High
Frequency of Occurrence:	For User: High For Merchant: Medium For Admin/Community Moderator: Low
Main Path:	1. Navigate to the profile section/user management section in the system. 2. Select a specific user to view their profile. 3. System displays user-specific profile information, including personal details, account settings, and preferences. 4. Review the displayed profile information. 5. For Admin: Optionally edit the profile if necessary. 6. For Community Moderator: Optionally mute the user if necessary.
Alternative Path:	3a. Encounter an error while accessing the profile section/user's profile. (Refresh the page or contact support).
Containing Use-Case(s)	'Show profile' use case extends 'edit own profile' use case. 'Show profile' use case extends 'manage user' use case.
Special Requirements:	• Security: Ensure that only the authenticated user can access their own profile information, while admins and moderators can view/edit profiles based on their roles. • Permissions: Implement role-based access control to restrict editing privileges to admins and moderation privileges to moderators. • Audit Trail: Log any profile edits or moderation actions for accountability and auditing purposes.
Assumptions:	-
Note:	Note-1: Viewing is for everyone, managing is for admins and moderators. Note-2: Admins has more authority rather than community moderators. Note-3: Logging in is mandatory for admins and moderators if they will make change in profile or apply a penalty.

Use Case Number:	4		
Use Case Code:	RRSS-004		
Use Case Name:	Edit Own Profile		
Depicter:	Mert Tazeoğlu	Last Modificatory:	Mert Tazeoğlu
Description Date:	26.03.2024	Last Modification Date:	26.03.2024

Actor(s):	All user types (admin, merchant, customer, community moderator)
Short Definition:	Manage user profile information.
Pre-condition:	1. User have an account 2. User is logged into the system. 3. User profile information is available for viewing.
Post-condition:	User's account info is updated.
Priority:	Medium
Frequency of Occurrence:	Medium (Users might update their profiles occasionally to change their preferences, billing information, or shipping addresses, though this happens less frequently than in social networking.)
Main Path:	1. User navigates to the profile section of the system. 2. System displays user profile information, including personal details, account settings, and preferences. 3. User reviews the displayed profile information. 4. User has the option to update their profile information if desired.
Alternative Path:	2a. User encounters an error while accessing the profile section (User may refresh the page or try again later). 3a. User decides not to update their profile information (User may continue using the system without making changes). 4a. User enters invalid info (User must enter the required information)
Containing Use-Case(s)	'Show profile' use case extends 'edit own profile' use case.
Special Requirements:	• Security: Ensure that only the authenticated user can access and modify their profile information. • User Experience: Design the profile page to be user-friendly and intuitive for easy navigation and editing. • Accessibility: Ensure that profile information is accessible to all users, including those with disabilities, by following accessibility guidelines.
Assumptions:	-
Note:	-

Use Case Number:	5		
Use Case Code:	RRSS-005		
Use Case Name:	Manage User		
Depicter:	Mert Tazeoğlu	Last Modificatory:	Mert Tazeoğlu
Description Date:	26.03.2024	Last Modification Date:	26.03.2024

Actor(s):	Admin or community moderator (Authorized user)
Short Definition:	Edit account information or ban/delete account
Pre-condition:	- User have an account. - The user must have acted against the rules. - Only admins or community moderators can manage another user's account.
Post-condition:	User's account info is updated or penalty is performed.
Priority:	High
Frequency of Occurrence:	Low (If community consists respectful users, otherwise it might me higher.)
Main Path:	1. Authorized user enters another user's page. 2. Authorized user clicks 'manage account'. 3a. Authorized user enters new account information. 3b. Authorized user performs a ban or mute penalty. 4. Authorized user updates another user's account.
Alternative Path:	3a. User enters invalid info (User must enter the required information)
Containing Use-Case(s)	'Show profile' use case extends 'manage user'.
Special Requirements:	• Security (input validation, data encryption, authorization) • Privacy (data handling, consent)
Assumptions:	-
Note:	-

Use Case Number:	6		
Use Case Code:	RRSS-006		
Use Case Name:	Search Product		
Depicter:	Mert Tazeoğlu	Last Modificatory:	Mert Tazeoğlu
Description Date:	26.03.2024	Last Modification Date:	26.03.2024

Actor(s):	All user types (admin, merchant, customer, community moderator)
Short Definition:	Make a search for products in the system
Pre-condition:	- (No pre-conditions, users that not logged in can also make search.)
Post-condition:	Search process done
Priority:	High
Frequency of Occurrence:	Very high (Each type of user will search quite many products regularly.)
Main Path:	1. User enters 'target text' to the search textbox. 2. User enters search button. 3. Search results are shown.
Alternative Path:	3a. Query does not return results. (Result does not exist.)
Containing Use-Case(s)	'Search product' use case extends 'show product' use case. 'Search product' use case extends 'manage product' use case.
Special Requirements:	• Performance (speed, scalability) • Usability (intuitive design, auto complete and suggestions, search filters and sorting) • Accuracy and relevance (relevant results, personalization)
Assumptions:	-
Note:	-

Use Case Number:	7		
Use Case Code:	RRSS-007		
Use Case Name:	Show Product		
Depicter:	Mert Tazeoğlu	Last Modificatory:	Mert Tazeoğlu
Description Date:	26.03.2024	Last Modification Date:	26.03.2024

Actor(s):	All user types (admin, merchant, customer, community moderator)
Short Definition:	View detailed information about a specific product and potentially add it to the shopping cart.
Pre-condition:	1. Customer is logged into the system. 2. Product is available for viewing.
Post-condition:	1. Customer views detailed information about the selected product. 2. Customer may choose to add the product to the shopping cart.
Priority:	High
Frequency of Occurrence:	High
Main Path:	1. Customer searches for a specific product or navigates to the product listing. 2. Customer selects the desired product from the search results or product listing. 3. System displays detailed information about the selected product, including description, price, images, and availability. 4. Customer reviews the product details. 5. Customer has the option to add the product to the shopping cart.
Alternative Path:	2a. Customer does not find the desired product (Customer may refine the search or explore related products). 3a. Product information is not available (Customer may explore other products or return to browsing). 5a. Customer decides not to add the product to the shopping cart (Customer continues browsing or leaves the page).
Containing Use-Case(s)	'Search product' use case extends 'show product' use case. 'Show product' use case extends 'rate product' use case. 'Show product' use case extends 'enable / disable ratings' use case. 'Show product' use case extends 'add product to shopping cart' use case.
Special Requirements:	• Performance (fast loading of product details and images) • User Experience (clear presentation of product information and intuitive navigation) • Accessibility (ensure that product details are accessible to all users, including those with disabilities)
Assumptions:	-
Note:	-

Use Case Number:	8
Use Case Code:	RRSS-008
Use Case Name:	Manage Product
Depicter:	Mert Tazeoğlu
Description Date:	26.03.2024

Last Modificatory:	Mert Tazeoğlu
Last Modification Date:	26.03.2024

Actor(s):	Admin or merchant
Short Definition:	Manage product listings in the system.
Pre-condition:	1. Merchant is logged into the system. 2. Merchant has appropriate permissions to manage products.
Post-condition:	Product information is updated or new products are added to the system.
Priority:	High
Frequency of Occurrence:	Medium
Main Path:	1. Merchant navigates to the product management section of the system. 2. Merchant selects the option to view existing products or add a new product. 3. Merchant updates existing product information or adds new product with it's details. 4. System validates the entered information. 5. Product information is saved or new product is added to the system.
Alternative Path:	2a. Merchant encounters an issue with accessing the product management section (Merchant may refresh the page or contact support). 3a. Merchant encounters an issue with updating or adding product information (Merchant retries or contacts support for assistance). 4a. System detects invalid product information (Merchant corrects the information and resubmits). 5a. System fails to save product information (Merchant retries or contacts support).
Containing Use-Case(s)	'Search product' use case extends 'manage product' use case.
Special Requirements:	• Security (ensure that only authorized merchants can access and modify product information) • Performance (efficient loading and updating of product listings) • Usability (intuitive interface for managing product information)
Assumptions:	-
Note:	-

Use Case Number:	9		
Use Case Code:	RRSS-009		
Use Case Name:	Rate Product		
Depicter:	Mert Tazeoğlu	Last Modificatory:	Mert Tazeoğlu
Description Date:	26.03.2024	Last Modification Date:	26.03.2024

Actor(s):	Customer
Short Definition:	Comment and rate products in the system
Pre-condition:	User is logged in. Product exists in the system.
Post-condition:	Rating with comment is posted in the product's page.
Priority:	Medium
Frequency of Occurrence:	High (Most of customers will rate products as long as they make shopping. And merchants will encourage users to rate their products. Therefore frequency of occurrence will be high.
Main Path:	1. View a posted product 2. Select 'comment/rate' button 3. Rate product 4. Write comment 5. Select Send button
Alternative Path:	5a. Select 'cancel or clear fields' button 5b. View a product in the system 5c. Select 'comment/rate' button 5d. Write comment 5e. Select Send button
Containing Use-Case(s)	'Show product' use case extends 'rate product' use case
Special Requirements:	• Security (input validation, authentication, authorization) • Privacy (anonymity options, data handling compliance) • Usability (intuitive interface, accessibility) • Reliability (data integrity and consistency) • Performance (response time, scalability)
Assumptions:	-
Note:	-

Use Case Number:	10		
Use Case Code:	RRSS-010		
Use Case Name:	Add Product To Shopping Cart		
Depicter:	Mert Tazeoğlu	Last Modificatory:	Mert Tazeoğlu
Description Date:	26.03.2024	Last Modification Date:	26.03.2024

Actor(s):	Customer
Short Definition:	Add a product to the shopping cart for potential purchase.
Pre-condition:	1. Customer is logged into the system. 2. Product is available for purchase.
Post-condition:	Product is added to the customer's shopping cart.
Priority:	Medium
Frequency of Occurrence:	High
Main Path:	1. Customer browses the available products in the system. 2. Customer selects a product to add to the shopping cart. 3. System adds the selected product to the customer's shopping cart. 4. Customer continues shopping or proceeds to checkout.
Alternative Path:	2a. Customer decides not to add the product to the shopping cart (Customer continues browsing or leaves the site). 3a. Product is out of stock (Customer is notified and may choose an alternative product). 4a. Customer encounters an issue with adding the product to the shopping cart (Customer may refresh the page and try again).
Containing Use-Case(s)	'Show product' use case extends 'add product to shopping cart' use case. 'Add product to shopping cart' use case includes 'buy product' use case.
Special Requirements:	• Security (secure session management to prevent unauthorized access to the shopping cart) • Performance (fast response time when adding products to the shopping cart) • User Experience (intuitive interface for adding products to the shopping cart)
Assumptions:	-
Note:	-

Use Case Number:	11		
Use Case Code:	RRSS-011		
Use Case Name:	Buy Product		
Depicter:	Mert Tazeoğlu	Last Modificatory:	Mert Tazeoğlu
Description Date:	26.03.2024	Last Modification Date:	26.03.2024

Actor(s):	Customer
Short Definition:	Purchase a product from the system
Pre-condition:	1. Customer is logged into the system. 2. Product is available for purchase. 3. Customer has sufficient funds or payment method to complete the purchase.
Post-condition:	1. Product is purchased by the customer. 2. Payment is processed successfully. 3. Customer receives confirmation of the purchase.
Priority:	High
Frequency of Occurrence:	High
Main Path:	1. Customer browses the available products in the system. 2. Customer selects at least one product to purchase. 3. Customer adds the selected products to the shopping cart. 4. Customer proceeds to checkout. 5. Customer selects payment method and provides necessary details. 6. System processes the payment. 7. Product is marked as purchased. 8. Customer receives a confirmation of the purchase via email or on the system.
Alternative Path:	4a. Customer decides to continue shopping instead of proceeding to checkout (Customer returns to browsing products). 5a. Customer encounters an issue with the selected payment method (Customer selects an alternative payment method). 6a. Payment processing fails (Customer retries payment or selects an alternative payment method). 7a. Product is out of stock (Customer may choose to wait for restocking or select an alternative product). 8a. Customer does not receive confirmation (Customer checks their email spam folder or contact customer support).
Containing Use-Case(s)	'Add product to shopping cart' use case includes 'buy product' use case.
Special Requirements:	• Security (secure payment processing, protection of customer data) • Performance (fast checkout process, scalability to handle multiple transactions) • Reliability (ensure that transactions are processed accurately and reliably)
Assumptions:	-
Note:	-

Use Case Number:	12
Use Case Code:	RRSS-012
Use Case Name:	Enable/Disable Ratings
Depicter:	Mert Tazeoğlu
Last Modificatory:	Mert Tazeoğlu
Description Date:	26.03.2024
Last Modification Date:	26.03.2024

Actor(s):	Admin or community moderator
Short Definition:	Enable or disable ratings and comments for a specified product
Pre-condition:	Product is reported (or examined after reporting)
Post-condition:	Ratings and comments are disabled (or enabled after examination)
Priority:	Low
Frequency of Occurrence:	Low (If community consists respectful users, otherwise it might me higher.)
Main Path:	1. Admin or community moderator receives a complaint report. 2. They examine the report. 3. They delete the related product from the system.
Alternative Path:	3a. They decide that the report is invalid. (Product is not deleted from the system.) 3b. They send a warning to the User who sent wrong complaint report.
Containing Use-Case(s)	'Show product' use case extends 'enable/disable ratings' use case.
Special Requirements:	• Security (authentication and authorization)
Assumptions:	-
Note:	-