Use Cases

Sapientia Canteen MVC

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Login

Name	Login
Summary	User specifies their username or email address alongside their password, and the web application authenticates them.
Dependencies	User has to be registered before signing in.
Actors	User, Administrator
Preconditions	Login form has to be displayed correctly and filled with the proper security token.
Triggers	User clicks on the login menu, or is redirected to the form by trying to access a page only intended for authenticated users.
Parameters	Username/Email, Password, CSRF Security Token
Description	**Standard Procedure** The user opens the login form and fills it out with the correct information. If information is correct, the systems authenticates the user, otherwise an error is shown. After login, all the functions will be available to the user to which they are authorized to use. **Special Exceptions** • User specified incorrect username, email or password. • User is not registered. • Security token failed to validate.
Postconditions	User is logged in.
Non-Functional Requirements	Login form has to be served over HTTPS, as it handles sensitive information.

Registration

Name	Registration
Summary	User specifies their username or email address alongside their password, and the web application registers them.
Dependencies	User has to be able to receive cookies and not be logged in currently.
Actors	User, Administrator
Preconditions	Register form has to be displayed correctly and filled with the proper security token.
Triggers	User clicks on the register menu, or is redirected to the form by trying to access a page only intended for authenticated users.
Parameters	Username/Email, Password, Captcha, CSRF Security Token
Description	**Standard Procedure** The user opens the registration form and fills it out with the correct information. If information is correct, the systems registers the user, otherwise an error is shown. After registration, all the functions will be available to the user to which they are authorized to use, and the username is now reserved to the user for future use. **Special Exceptions**

	• User specified incorrect username, email or password. • Captcha is not filled out correctly. • Security token failed to validate.
Postconditions	User is registered and logged in.
Non-Functional Requirements	Registration form has to be served over HTTPS, as it handles sensitive information.

Recovery

Name	Recovery
Summary	User specifies their username or email address, and the web application resets their password.
Dependencies	User has to be able to receive emails and not be logged in currently.
Actors	User, Administrator
Preconditions	Recovery form has to be displayed correctly and filled with the proper security token.
Triggers	User clicks on the recovery link from the Login or Register form.
Parameters	Username/Email, Captcha, CSRF Security Token
Description	**Standard Procedure** The user opens the recovery form and fills it out with the correct information. If information is correct, the systems resets the user's password via an email, otherwise an error is shown. After recovery, all the functions will be available to the user to which they are authorized to use. **Special Exceptions** • User specified incorrect username or email. • Captcha is not filled out correctly. • Security token failed to validate.
Postconditions	User is logged in.
Non-Functional Requirements	Recovery form has to be served over HTTPS, as it handles sensitive information.

Reservation

Name	Reservation
Summary	User reserves their food for the full or partial week.
Dependencies	User has to be registered and logged in.
Actors	User, Administrator
Preconditions	Reservation form has to be filled out correctly such as that there are no more than one items selected per category per day.
Triggers	User clicks on the Week menu.
Parameters	Food Radio Boxes, CSRF Security Token
Description	**Standard Procedure**

	The user opens the reservation form and checks all the food they want to reserve for themselves on the specific days. If information is correct, the systems saves this information, otherwise an error is shown. After reservation, the foods are reserved for the user at the canteen.
	Special Exceptions • Invalid or conflicting food ID selected/sent. • Security token failed to validate.
Postconditions	User's foods are now reserved for the week.
Non-Functional Requirements	Reservation form has to be served over HTTPS, as it has semi-sensitive information.

Pass Payment

Name	Pass Payment
Summary	User selects a pass and pays for it using a credit card.
Dependencies	User has to be registered, logged in, and own a credit card.
Actors	User, Administrator
Preconditions	Payment form has to be displayed correctly and filled with the proper security token.
Triggers	User clicks on the Pass menu and then on the Pay button near a pass.
Parameters	Credit Card, Expiration Date, CVV2, Stripe Security Token
Description	**Standard Procedure** The user opens the payment form and fills it out accordingly. If information is correct, the systems saves this information and initiates a credit card charge, otherwise an error is shown. After payment, the pass is associated to the user's account and they can begin using it at the canteen. **Special Exceptions** • Invalid credit card information. • Stripe token not valid.
Postconditions	User's account has a specific pass associated to it.
Non-Functional Requirements	Payment form has to be served over HTTPS, as it handles sensitive information.

Administration

Name	Administration
Summary	Administrator has full managerial control over the database.
Dependencies	User has to be registered, logged in, and have administrator privileges.
Actors	Administrator
Preconditions	CRUD forms have to be displayed correctly and filled with the proper security token.
Triggers	User clicks on the Administration menu, only available to users with administrator privileges.

Parameters	*All the Database Tables and their Columns*
Description	**Standard Procedure** The user opens the administration page, selects a table to manage and initiates a change. If information is correct, the systems saves this information, otherwise an error is shown. After administration, the fresh data will be displayed on the webpage. **Special Exceptions** • Invalid table, column or ID in use. • Security token failed to validate.
Postconditions	Website's data is updated.
Non-Functional Requirements	Administration forms have to be served over HTTPS, as they handle sensitive information.