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| **Use Case ID** | OT\_UC\_1 |
| **Use Case Name** | Create Account |
| **Created By** | Kurt Yuri C. Fegarido |
| **Description** | This use case enables employees to register a new account on the Optitrack website to gain access to its features. |
| **Primary Actor** | Employee |
| **Secondary Actor** | None |
| **Include Use Case** | None |
| **Preconditions** | * The user must not already have an existing account. * The system is accessible and online. |
| **Postconditions** | * **Success:** The user is successfully registered, and a confirmation email is sent. * **Failure:** The user is notified of the failure reason and prompted to retry. |
| **Triggers** | * The user wants to create an account on the Optitack to access its features. |
| **Main Flow** | 1. User navigates to the registration page. 2. System prompts the user to enter details such as:    1. Username    2. Name    3. Age    4. Address    5. Email Address    6. Contact Number    7. Password (meeting security requirements) 3. User submits the registration form. 4. System validates the information. 5. System sends a confirmation email. 6. User clicks the confirmation link in the email. 7. The system activates the account and displays a success message. |
| **Alternate Flows** | 4a. Invalid Input:   1. If the user provides invalid or incomplete information, the system notifies the user. 2. The user is prompted to correct the input.   4b. Duplicate Username:   1. System notifies the user that the Username is already taken. 2. User is prompted to use a different Username.   4c. Duplicate Email Address:   1. System notifies the user that the email is already registered. 2. User is prompted to use a different email.   4d. Password Requirements Not Met:   1. System notifies the user that the password did not meet the security requirements. 2. User is prompted to use a different password.   5a. Email Not Received   1. User requests the system to resend the confirmation link. |
| **Special Requirements** | * Email verification links should expire after 5 minutes. |
| **Assumptions** | * Users have access to a valid email address. |

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| **Use Case ID** | OT\_UC\_2 |
| **Use Case Name** | Update Account |
| **Created By** | Kurt Yuri C. Fegarido |
| **Description** | This use case allows users to update their account details, such as personal information, email, or password. |
| **Primary Actor** | Employee |
| **Secondary Actor** | None |
| **Include Use Case** | None |
| **Preconditions** | * The user must already have an existing account. * The user must be logged in to the system. * The system is accessible and online. |
| **Postconditions** | * **Success:** The account details are updated, and the user receives a notification confirming the changes. * **Failure:** The user is notified of the failure reason (e.g., invalid input, session timeout) and prompted to retry |
| **Triggers** | * The user wants to modify their account information. |
| **Main Flow** | 1. User navigates to the account settings page. 2. System displays the current account details. 3. User edits the desired fields (e.g., username, name, age, address, contact number, email address, password). 4. User submits the updated details. 5. System validates the input and applies the changes. 6. User receives a confirmation notification about the update. |
| **Alternate Flows** | 4a. Invalid Input:   1. If the user provides invalid or incomplete information, the system notifies the user. 2. The user is prompted to correct the input.   4b. Duplicate Username:   1. System notifies the user that the Username is already taken. 2. User is prompted to use a different Username.   4c. Duplicate Email Address:   1. System notifies the user that the email is already registered. 2. User is prompted to use a different email.   4d. Password Requirements Not Met:   1. System notifies the user that the password did not meet the security requirements. 2. User is prompted to use a different password.   5a. Session Timeout:   1. If the user's session expires during the update process, the system redirects the user to the login page. 2. User logs in again and restarts the update process. |
| **Special Requirements** | * Sensitive information (e.g., passwords) must be encrypted during transmission and storage. |
| **Assumptions** | * Users know their current account credentials for sensitive updates like password changes. |