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| **Use Case “Login”**   1. **Use case code**   UC001   1. **Brief Description**   This use case describes the interaction between user and Chat Web when user wish(es) to login an account to use system’s services.   1. **Actors**    1. User 2. **Preconditions**   none   1. **Basic Flow of Events** 2. The user request login 3. The software redirects into login page. 4. The user enters login information (see Table 2) 5. The software check validity of data fields. 6. The software check login request and send back result. 7. **Alternative flows**   Table 1-Alternative flows of events for UC Login   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Location** | **Condition** | **Action** | **Resume location** | |  | At Step 4 | If data fields are invalid | * Chat Web display error format messages (see table 3) | Resumes at Step 3 | |  | At Step 5 | If login authentication is passed | * Chat Web redirects to Chatting Page(call Read message UC) | Use case ends | |  | At Step 5 | If email or password are wrong | * Chat Web display error messages and recommend register a new account (see table 3) | Resumes at Step 3 | |  | At Step 5 | If account is banned | Chat Web display banned messages | Resumes at Step 3 | |  | At Step 3 | If user cancel | * Chat Web back to Home/Main Page | Use case ends |  1. **Input data**   Table 2-Input data of login information   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** | |  | Email |  | YES | Email Format | [abc@gamil.com](mailto:abc@gamil.com) | |  | Password | Pass display is hidden by symbol “\*” | YES | Length >= 8, at least one upper character. | Abcdef421 |  1. **Output data**   Table 3-Output data of messages   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Display format** | **Example** | |  | Error message |  | Red | Email or password is wrong. |  1. **Postconditions**  * User login successfully and received authentication token.  1. **Activity Diagram**   A diagram of a company  Description automatically generated |