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| **Use Case “Register”**   1. **Use case code**   UC002   1. **Brief Description**   This use case describes the interaction between user and Chat Web when user wish(es) to register a chatting user account in system.   1. **Actors**    1. User 2. **Preconditions**   none   1. **Basic Flow of Events** 2. The user request register 3. The software redirects into register page. 4. The user enters register information (see Table 2) 5. The software check validity of data fields. 6. The software check register request and send back result. 7. **Alternative flows**   Table 1-Alternative flows of events for UC Register   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **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 register email is in-used | * Chat Web notify user to use another’ email.(see table 3) | Resumses at Step 3 | |  | At Step 5 | If register passed | * Chat Web notify success message, after a while, call Login UC | Use case ends |  1. **Input data**   Table 2-Input data of register information   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** | |  | Full name |  | YES |  | Nguyen Van A | |  | Nick name | Name is displayed in chat room and profile | YES |  | Adiz | |  | 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 | |  | Confirm password | Pass display is hidden by symbol “\*” | YES | Matching password field | 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 register successfully. * Software create simple profile and store user’s information. * User can use email and password to login account.  1. **Activity Diagram**   **A diagram of a flowchart  Description automatically generated** |