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| **Use Case “Search Friend”**   1. **Use case code**   UC005   1. **Brief Description**   This use case describes the interaction between user and Chat Web when user wish(es) to search a friend to add friend or view their profile.   1. **Actors**    1. User 2. **Preconditions**   Friends or users must have an account in system   1. **Basic Flow of Events** 2. The user select search people field in search bar. 3. The user can choose searching option: by nick\_name or by email. 4. The user enter the nick\_name or email to search a friend. (see Table 2) 5. The software display the matching result (see Table 3). 6. **Alternative flows**   Table 1-Alternative flows of events for UC Search Friend   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Location** | **Condition** | **Action** | **Resume location** | |  | At Step 3 | If user choose searching by email | * Chat Web will check valid email format | Resumes at Step 3 | |  | At Step 4 | If seraching by nick\_name | * Software will display the list of exact or similar matching result. | Use case ends | |  | At Step 4 | If searching by email | * Software will display exact result or none if no one macthing email. | Use case ends. |  1. **Input data**   Table 2-Input data of searching information   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** | |  | Searching field |  | YES | String/Email Format | Nick\_nameA/[abc@gamil.com](mailto:abc@gamil.com) |  1. **Output data**   Table 3-Output data of result display   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Display format** | **Example** | |  | Avatar | An avatar icon is displayed | Avatar icon |  | |  | Name | Name of person macthing | String | Nguyen Van A | |  | Add friend button | A button to add friend if this person not in user’s friend list |  |  |  1. **Postconditions**  * User search their friends or people in the chatting web network  1. **Activity Diagram**   A diagram of a search engine  Description automatically generated |