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| **Use Case Name** | **Start a quiz** |
| Scope | Olympia dictionary application |
| Level | UI |
| Primary actor | User |
| Stakeholders and interests | System that contains words and their definitions. User that needs to get definitions in random order. |
| Preconditions | User is logged in. System has a connection with a database. There is at least one word in the list. |
| Main Success Scenario | 1. User clicks on Start quiz button. |
| 2. User selects a category. If a category is selected, only the words from this category are passed to the quiz. If no category selected, all the words in the list are passed to the quiz. |
| 3. The first random definition is shown. |
| Extensions | 1a. The list of words is empty. The user sees the error message and the quiz does not start. |
| 2a. The category selected does not have words. The user sees the error message and the quiz does not start. |
| 3a. The word does not have a definition because it was not searched or other error. The text view is filled with a stub text and the quiz stops. |
| Post conditions | User sees the definition of the word and is ready to input the word in the text field. The definition can be read by text-to-speech function. The input can be made by voice. |
| Special Requirements | Text is highly visible on a page. Size and contrast are properly set. All buttons and input fields work properly. |
| Frequency of occurrences | Multiple times a day upon user's choice |
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| **Use Case Name** | **Assign a category to the word** |
| Scope | Olympia dictionary application |
| Level | Application routine and UI |
| Primary actor | User |
| Stakeholders and interests | System that contains words and categories. User that requires a word he searched to be assigned to a category he created. |
| Preconditions | User is logged in. System has a connection with a database. There is at least one word in the list of words. The category to which user desires the word to be assigned is created. Word is searched and shown in the history of searched words. |
| Main Success Scenario | 1. User long presses the word. |
| 2. User picks a category from the list and assigns a it to the word. |
| 3. Application returns to the list of words. |
| Extensions | 1a. User long presses the word too fast so that the previous call is not processed. |
| 2a. Application ignores the newer call and waits for the previous one to be completed. |
| 2b. User selects a category to assign to the word, but the category was already removed from the database in another thread. |
| 3b. User gets a message that says that the category was removed from database and it's not possible to proceed. |
| Post conditions | Word is successfully linked to a chosen category. If a word card of this word is opened, the category can be seen in it. |
| Special Requirements | Text is highly visible on a page. Size and contrast are properly set. All buttons and input fields work properly. |
| Frequency of occurrences | Multiple times a minute on user's choice |
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| **Use Case Name** | **Detection of no internet connection** |
| Scope | Olympia dictionary application |
| Level | Application routine |
| Primary actor | System |
| Stakeholders and Interests | The system that needs to get an application key from server for the current user. The user that needs to grant privileges and make a decision to turn Internet on or off. |
| Preconditions | Wi-Fi adapter and/or broadband adapter are available on the device. Internet is not available. |
| Main Success Scenario | 1. The system performs a check of Internet availability, finds it unavailable and shows an alert dialog. |
| 2. User selects to enable Internet and the application redirects them to the settings page of the device for enabling Wi-Fi or Mobile data options. |
| 3. User grants access to the Internet enabling either Wi-Fi or Mobile data or both. |
| 4. Application checks the Internet availability again. |
| 5. Internet is available and the application proceeds to getting the application key from the server. |
| Extensions | 2a. User clicks the cancel button and the application exits. |
|  | 3b. User does not enable Internet in settings. |
|  | 4b. Application returns to the alert dialog. |
|  | 5c. Internet is not available after the Wi-Fi or Mobile data turned on and the application returns to alert dialog. |
| Post conditions | User can log in or register to the application and start using the application |
| Special Requirements | Internet connection. Text is highly visible on a page. Size and contrast are properly set. All buttons and input fields work properly. |
| Frequency of occurrences | Multiple times a day on application launch |
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| **Use Case Name** | **Search a word in a dictionary** |
| Scope | Olympia dictionary application |
| Level | Application routine and UI |
| Primary actor | User |
| Stakeholders and Interests | The system that needs to get a definition of the word. User who needs to search for a meaning of the word. |
| Preconditions | User is logged in. System has a connection with the Internet. |
| Main Success Scenarios | 1a. User types in the word to be searched in the search text field and clicks button Search. |
| 1b. User click on one of the words already searched. |
| 2. The definition along with references shows up in a word card. |
| Extensions | 2c. The word is not found in the dictionary and the error message is shown. |
|  | 2d. The connection to the dictionary API can not established or times out and the error message is shown. |
| Post conditions | Word and its definition are added to vocabulary |
| Special Requirements | Internet connection. Text is highly visible on a page. Size and contrast are properly set. All buttons and input fields work properly. |
| Frequency of occurrences | Multiple times a minute on user's choice |