|  |  |  |
| --- | --- | --- |
| Use - Case Name | Use - Case Description | Participating Actors and Roles |
| Enter | This use case describes the entering the Word that want to learn the definition process into the application. | User (Primary Actor) |
| Search | This use case describes the searching process of the dictionary application. | User (Primary Actor) |
| Retrieve | This use case describes the displaying definition of the word on application. | System (Supportive Actor) |
|  |  |  |

**Use-case Scenarios:**

|  |  |
| --- | --- |
| Use case name | Enter |
| Use case description | This use case describes the entering the Word that want to learn the definition process into the application. If the entered Word has started with upper case program will give an error. |
| Primary actor | Customer |
| Triggers | After the entered a word the system will start. |
| Preconditions | The user has to download the application on his/her phone. |
| Postconditions | The system will be open. |
| Normal flow | 1. The user run the application 2. The searching part opened. 3. The customer enter the word. 4. The searching text appear. 5. The definition is retrieved. |
| Alternate flows | 3.a If the user does not entered the Word with a lower case, system will warn the user. |
| Business rules | * The costumer must enter a word |

|  |  |
| --- | --- |
| Use case name | Search |
| Use case description | This use case describes the searching process of the dictionary application. This function can be run after the entering a Word session. |
| Primary actor | Customer |
| Preconditions | The Word should entered in. |
| Postconditions | The Word format should obey the rule. |
| Normal flow | 1. The word’s definition is searched from the binary search tree 2. The definition retrieves. |
| Alternate flows | 1.a The system gives an message to the user if the word is not found |
| Business rules | * The costumer must enter a word |

|  |  |
| --- | --- |
| Use case name | Retrieve |
| Use case description | This use case describes the displaying definition of the word on application. |
| Primary actor | - |
| Supporting actor | System |
| Triggers | This process triggers request for word. The process will be apply by the system. |
| Preconditions | The word should be defined in tree. |
| Postconditions | The request is received. The response will be given from system. |
| Normal flow | 1. The word’s definition printed on console. |
| Business rules | * The costumer must enter a word |

**Use-case Diagram:**

