# Olympia Project

# Software requirements:

## User

* 1. Register a new user on a web service
  2. Log in on a web service
  3. Reset password
  4. Validate input fields
  5. Change first name and last name
  6. Change email
  7. Change password
  8. Logout in the app
  9. Delete account
  10. Get the key status/expiry date
  11. Send a request to prolong the key

## Words vocabulary

* 1. Search a word in a dictionary. Show a word card
  2. Add the word to the list of previously stored words
  3. Remove a word from the list of previously searched words
  4. Sort words in ascending/descending order (by name and date added)
  5. Copy list of words to clipboard
  6. Save vocabulary (words and their categories) to local database
  7. Restore vocabulary (words and their categories) from local database
  8. Delete all from local database

## Words categories

* 1. Create category
  2. Remove category
  3. Rename category
  4. View categories
  5. Assign a category to the word
  6. Filter words list by category
  7. Remove filtration by category
  8. Pick a color for the category

## UI

* 1. Splash screen
  2. About page
  3. Legal page
  4. How-To alert window on start up

## Quizzes

* 1. Sequence of cards with definitions for self-check
  2. Check the correctness of given answer for the definition
  3. Quiz results page
  4. Select category of words for the quiz
  5. Overall statistics for all the quizzes

## Settings

* 1. Change UI language
  2. Change dictionary language (must use other APIs available for a particular language)
  3. Change input type to text
  4. Change input type to speech
  5. Change input type to OCR
  6. Detection of no internet connection. “Enable Wi-Fi or mobile data” dialog
  7. Change font size of UI
  8. Change colors for text and its background

## Accessibility

* 1. Text-to-speech support for word cards
  2. Text-to-speech support for word definition in the quiz
  3. Speech-to-text support for search field
  4. Speech-to-text support for answer field in the quiz
  5. Switch to high contrast theme

## Server side

* 1. Add an Olympia key check on login (in the mobile app)
  2. Issue a new Olympia key
  3. Remove the key from the system, marking it obsolete
  4. Change Olympia app key for particular user or subset of users. Those with an obsolete key will not be able to log in and continue using the app
  5. Add another administrator
  6. Update administrator account’s information (owned or another)
  7. Delete administrator account (owned or another)
  8. Synchronization of vocabulary and categories with the cloud on start up