# Use Case Description

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| **Use Case ID:** | 1 | | | |
| **Use Case Name:** | Create Spelling Word List From Image | | | |
| **Process Owner:** | Adrian Lane | | **Last Updated By:** | Adrian Lane |
| **Date Created:** | 6/25/2019 | | **Date Last Updated:** | 6/29/2019 |
| **Actor:** | | Application user | | |
| **Description:** | | The user should be able to execute the following:   1. Select the “Create List from Image” button 2. Take a picture of the word list 3. Review the words extracted from the image 4. Save the list to the application | | |
| **Preconditions:** | | The user is already on the “List Management” screen and has a suitable subject for the source image to generate a list of words | | |
| **Postconditions:** | | At the end of the “Create List from Image” activity, the user is returned to the “List Management” screen | | |
| **Performance Goal:** | | The process should not take more than one minute | | |
| **Basic Workflow:** | | 1. The user selects “Create List from Image” button on the “List Management” screen 2. The application calls the “Camera” activity 3. The user is presented with the camera interafce to take a picture of the list 4. The user takes a picture of the list 5. The user confirms the picture 6. The application saves the image to the mobile device 7. The user is returned to the “Create List from Image” screen 8. The application sends the image to the Azure OCR service 9. The application receives and displays the list returned from the Azure OCR service 10. The user reviews the list of words detected from the image 11. The user edits any words if necessary 12. The user selects “Save” from the menu 13. The system saves the list to to the database and uploads the image to Azure Blob Storage 14. The user is returned to the “List Management” screen | | |
| **Alternative Workflow:** | | 1. The user selects “Create List from Image” button on the “List Management” screen 2. The application calls the “Camera” activity 3. The user is presented with the camera interafce to take a picture of the list 4. The user takes a picture of the list 5. The user confirms the picture 6. The application saves the image to the mobile device 7. The user is returned to the “Create List from Image” screen 8. The application sends the image to the Azure OCR service 9. The application receives and displays the list returned from the Azure OCR service 10. The user reviews the list of words detected from the image 11. The user edits any words if necessary 12. The user selects “Cancel” from the menu 13. The system deletes the image from the device 14. The user is returned to the “List Management” screen | | |
| **Category:** | | List Management | | |
| **Risks:** | | External dependencies may be unavailable, there is currently no “offline” mode | | |
| **Possibilities:** | | Either a list is created from an image and stored, or it is not | | |
| **Special Requirements:** | | Internet access must be available at all times | | |
| **Assumptions:** | | Internet access is available | | |
| **Notes and Issues:** | | Local storage should be implemented to allow for offline mode or intermittent connectivity | | |