Task Analysis

1. Translate “Winter” into Italian and hear its pronunciation

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| Problem | Solution |
| User was confused about the wording of the text view. | Changed text view wording from type destination language to “type here |

1. Translate “concorrenza” into English and pronunciation

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| Problem | Solution |
| User was unsure whether it was source or destination language the translated | Added Custom spinner for both Source and destination language with an image of the flag.  Also, I added labels above the spinner with from: Source language and to: Destination language. |

1. Translate “Conglomerate” into French and hear its pronunciation

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| Problem | Solution |
| They were having trouble hearing the French translation text to speech saying the volume was not high enough | I set the pitch of the sound to “1” so it can be clearer and more audible |

1. Translate “my name is John Cena” into French and play its pronunciation

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| Problem | Solution |
| The text View was too small, and thus more time for them to find the text View and, they were confused about the background of layout | Enlarged the text view and set the background style so it is more defined. |

1. Translate “my name is john cena” into Arabic and hear its pronunciation

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| Problem | Solution |
| Error when clicked to translate empty text. | Disabled Speaker Icon and enabled when the text view is populated |

1. Translate “My Name is John cena” into English and click to define it.

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| Problem | Solution |
| Application broke upon defining sentence with no feedback. | Applied regular expression matching only for single words and set the define icon to enable if criteria are met. Also Added a toast if the criteria are not met. |

1. Hear definition of “sit”

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| Problem | Solution |
| Text to speech sound wouldn’t stop after the user press back icon while listening to definition. | Added a stop method to the icons image view inner class click handler. |