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Test Case

| Function                       | # | Description  | Sample Input Data  | Expected Output  | Actual Output  | P/F |
|--------------------------------|---|--|--|--|--|-----|
| checkAndDisplayExistingEntries | 1 | Check if there's an existing entry   | Enter language: d<br>Enter translation: d<br>======<br>======<br>Language   Translation<br>----- -----<br>d   d  | Enter language: d<br>Enter translation: d<br>======<br>======<br>Language   Translation<br>----- -----<br>d   d  | Enter language: d<br>Enter translation: d<br>======<br>======<br>Language   Translation<br>----- -----<br>d   d  | P   |
|                                | 2 | Display all the information about entries information same as with the given input | === Add Entry ===<br>Number of Entries 5<br>Enter language: English<br>Enter translation: love<br>======<br>======<br>Language   Translation<br>----- -----<br>English   love<br><br>======<br>======<br>Language   Translation<br>----- -----<br>English   love | === Add Entry ===<br>Number of Entries 5<br>Enter language: English<br>Enter translation: love<br>======<br>======<br>Language   Translation<br>----- -----<br>English   love<br><br>======<br>======<br>Language   Translation<br>----- -----<br>English   love | === Add Entry ===<br>Number of Entries 5<br>Enter language: English<br>Enter translation: love<br>======<br>======<br>Language   Translation<br>----- -----<br>English   love<br><br>======<br>======<br>Language   Translation<br>----- -----<br>English   love | P   |

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|          |   |   |  | English   love   |  |
| addEntry | 1 | Ask for language and translation pair                             | Enter language: English<br>Enter translation: love<br>Entry added successfully!  | Enter language: English<br>Enter translation: love<br>Entry added successfully!  | Enter language: English<br>Enter translation: love<br>Entry added successfully!  |
|          | 2 | If there's an existing entry, ask the user if this is a new entry | <pre>=====       ===== Language   Translation ----- ----- d         d</pre><br><pre>=====       ===== Language   Translation ----- ----- D         d</pre><br>Is this a new entry? Y/N | <pre>=====       ===== Language   Translation ----- ----- d         d</pre><br><pre>=====       ===== Language   Translation ----- ----- D         d</pre><br>Is this a new entry? Y/N | <pre>=====       ===== Language   Translation ----- ----- d         d</pre><br><pre>=====       ===== Language   Translation ----- ----- D         d</pre><br>Is this a new entry? Y/N |
|          | 3 | If it's a new entry, a new entry is created.                      | Is this a new entry? Y/N<br>y<br>Entry added successfully!   | Is this a new entry? Y/N<br>y<br>Entry added successfully!   | Is this a new entry? Y/N<br>y<br>Entry added successfully!   |
|          | 4 | If it's not a new   | Is this a new entry? Y/N   | Is this a new entry? Y/N   | Is this a new entry?   |

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|   |  | entry, the program goes back to the Data Management Menu    | N<br><br>Number of Entries 5<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit<br>Enter your choice: | N<br><br>Number of Entries 5<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit<br>Enter your choice: | Y/N<br>N<br><br>Number of Entries 5<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit<br>Enter your choice: |   |
| 5 |  | The user wants to encode another language-translation pair. | ==== Add Entry ====<br>Number of Entries 5<br>Enter language: English<br>Enter translation:<br>expensive<br>Entry added successfully!<br>=====<br>=====<br>Do you want to add a pair?<br>Y to add and press any letter to go back to the Manage Data Menu<br>Choice: y                  | ==== Add Entry ====<br>Number of Entries 5<br>Enter language: English<br>Enter translation:<br>expensive<br>Entry added successfully!<br>=====<br>=====<br>Do you want to add a pair?<br>Y to add and press any letter to go back to the Manage Data Menu<br>Choice: y                  | ==== Add Entry ====<br>Number of Entries 5<br>Enter language: English<br>Enter translation:<br>expensive<br>Entry added successfully!<br>=====<br>=====<br>Do you want to add a pair?<br>Y to add and press any letter to go back to the Manage Data Menu<br>Choice: y                         | P |

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|   |  | Enter language:   | Enter language:   | Menu<br>Choice: y<br>Enter language:  |   |
| 6 | The user doesn't want to encode a language-translation pair.     | <p>Do you want to add a pair?<br/>Y to add and press any letter to go back to the Manage Data Menu<br/>Choice: n</p> <p>Number of Entries 6<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit<br/>Enter your choice:</p> | <p>Do you want to add a pair?<br/>Y to add and press any letter to go back to the Manage Data Menu<br/>Choice: n</p> <p>Number of Entries 6<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit<br/>Enter your choice:</p> | <p>Do you want to add a pair?<br/>Y to add and press any letter to go back to the Manage Data Menu<br/>Choice: n</p> <p>Number of Entries 6<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit<br/>Enter your choice:</p> | P |
| 7 | The user encoded a 1 character for the language-translation pair | Enter language: d<br>Enter translation: d<br>Entry added successfully!  | Enter language: d<br>Enter translation: d<br>Entry added successfully!  | Enter language: d<br>Enter translation: d<br>Entry added successfully!  | P |

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| deleteEntry | 1 | <p>The program shows all the entries before asking which entry should be deleted.</p> <pre> =====       =====       Language   Translation       ----- -----       1. d       d       Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): D       Entry 1: =====</pre> <pre> =====       =====       Language   Translation       ----- -----       d   d       Entry 2: =====</pre> <pre> =====       =====       Language   Translation       ----- -----       D   d       Entry 3: =====</pre> <pre> =====       =====       Language   Translation       ----- -----       d   d       </pre> | <pre> =====       =====       Language   Translation       ----- -----       1. d       d       Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): D       Entry 1: =====</pre> <pre> =====       =====       Language   Translation       ----- -----       d   d       Entry 2: =====</pre> <pre> =====       =====       Language   Translation       ----- -----       D   d       Entry 3: =====</pre> <pre> =====       =====       Language   Translation       ----- -----       d   d       </pre> | <pre> =====       =====       Language   Translation       ----- -----       1. d       d       Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): D       Entry 1: =====</pre> <pre> =====       =====       Language   Translation       ----- -----       d   d       Entry 2: =====</pre> <pre> =====       =====       Language   Translation       ----- -----       D   d       Entry 3: =====</pre> <pre> =====       =====       Language   Translation       ----- -----       </pre> | P |
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|                   |   |   |  | d   d  |  |
|                   | 2 | An invalid number is given, going back to the Menu.             | Entry 6:<br>===== <br>Language   Translation<br>----- -----<br>English   expensive<br>Tagalog   mahal<br><br>Enter the number of the entry to delete: 7<br>Invalid entry number.<br>Returning to menu. | Entry 6:<br>===== <br>Language   Translation<br>----- -----<br>English   expensive<br>Tagalog   mahal<br><br>Enter the number of the entry to delete: 7<br>Invalid entry number.<br>Returning to menu. | Entry 6:<br>===== <br>Language   Translation<br>----- -----<br>English   expensive<br>Tagalog   mahal<br><br>Enter the number of the entry to delete: 7<br>Invalid entry number.<br>Returning to menu. |
|                   | 3 | The user deleted an entry.                                      | Enter the number of the entry to delete: 1<br>Entry deleted successfully.  | Enter the number of the entry to delete: 1<br>Entry deleted successfully.  | Enter the number of the entry to delete: 1<br>Entry deleted successfully.  |
| deleteTranslation | 1 | Displays the entry before asking which he wants to delete from. | ===== <br>Language   Translation<br>----- -----<br>1. D   d<br><br>Enter command (D = Delete Translation, N = Next, P = Previous, X = Exit): D   | ===== <br>Language   Translation<br>----- -----<br>1. D   d<br><br>Enter command (D = Delete Translation, N = Next, P = Previous, X = Exit): D   | ===== <br>Language   Translation<br>----- -----<br>1. D   d<br><br>Enter command (D = Delete Translation, N = Next, P = Previous,  |

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|---|--|--|--|--|---|
|   |  | Enter the pair number to delete (1 to 1):  | Enter the pair number to delete (1 to 1):  | X = Exit): D<br>Enter the pair number to delete (1 to 1):  |   |
| 2 | User press next, to show the next entry      | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. d   d</p><br><p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): N</p> <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. English   love</p><br><p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit):</p> | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. d   d</p><br><p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): N</p> <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. English   love</p><br><p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit):</p> | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. d   d</p><br><p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): N</p> <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. English   love</p><br><p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit):</p> |   |
| 3 | User presses next to show the previous entry | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. d   d</p>  | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. d   d</p>  | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre>  | P |

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|---|--------------------------------------|---|---|---|---|
|   |                                      | <p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): N</p> <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. English   love</p> <p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): P</p> <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. d   d</p> <p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit):</p> | <p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): N</p> <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. English   love</p> <p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): P</p> <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. d   d</p> <p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit):</p> | <p>1. d   d</p> <p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): N</p> <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. English   love</p> <p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit): P</p> <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. d   d</p> <p>Enter command (D = Delete Entry, N = Next, P = Previous, X = Exit):</p> |   |
| 4 | User press D to delete a translation | <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre>   | <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre>   | <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre>   | P |

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|   |  | <p>1. Cebuano   gugma<br/>     2. Chinese   ai<br/>     3. English   love<br/>     4. Hiligaynon   gugma<br/>     5. Spanish   amor<br/>     6. Tagalog   mahal</p> <p>Enter command (D = Delete Translation, N = Next, P = Previous, X = Exit): D</p> <p>Enter the pair number to delete (1 to 6):</p>   | <p>1. Cebuano   gugma<br/>     2. Chinese   ai<br/>     3. English   love<br/>     4. Hiligaynon   gugma<br/>     5. Spanish   amor<br/>     6. Tagalog   mahal</p> <p>Enter command (D = Delete Translation, N = Next, P = Previous, X = Exit): D</p> <p>Enter the pair number to delete (1 to 6):</p>   | <p>----- -----<br/>     1. Cebuano  <br/>     gugma<br/>     2. Chinese   ai<br/>     3. English   love<br/>     4. Hiligaynon  <br/>     gugma<br/>     5. Spanish   amor<br/>     6. Tagalog   mahal</p> <p>Enter command (D = Delete Translation, N = Next, P = Previous, X = Exit): D</p> <p>Enter the pair number to delete (1 to 6):</p>                                      |   |
| 5 | The user entered a pair number to delete | <p>=====</p> <p>=====</p> <p>Language   Translation</p> <p>----- -----</p> <p>1. Cebuano   gugma<br/>     2. Chinese   ai<br/>     3. English   love<br/>     4. Hiligaynon   gugma<br/>     5. Spanish   amor<br/>     6. Tagalog   mahal</p> <p>Enter command (D = Delete Translation, N = Next, P = Previous, X = Exit): D</p> <p>Enter the pair number to</p> | <p>=====</p> <p>=====</p> <p>Language   Translation</p> <p>----- -----</p> <p>1. Cebuano   gugma<br/>     2. Chinese   ai<br/>     3. English   love<br/>     4. Hiligaynon   gugma<br/>     5. Spanish   amor<br/>     6. Tagalog   mahal</p> <p>Enter command (D = Delete Translation, N = Next, P = Previous, X = Exit): D</p> <p>Enter the pair number to</p> | <p>=====</p> <p>=====</p> <p>Language   Translation</p> <p>----- -----</p> <p>1. Cebuano  <br/>     gugma<br/>     2. Chinese   ai<br/>     3. English   love<br/>     4. Hiligaynon  <br/>     gugma<br/>     5. Spanish   amor<br/>     6. Tagalog   mahal</p> <p>Enter command (D = Delete Translation, N = Next, P = Previous, X = Exit): D</p> <p>Enter the pair number to</p> | P |

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|   |  | <p>delete (1 to 6): 1<br/>Pair deleted successfully.</p> <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- ----- 1. Chinese   ai 2. English   love 3. Hiligaynon   gugma 4. Spanish   amor 5. Tagalog   mahal</pre> <p>Do you want to delete another pair from this entry? Y/N: Y</p> <p>Enter the pair number to delete (1 to 5):</p> | <p>delete (1 to 6): 1<br/>Pair deleted successfully.</p> <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- ----- 1. Chinese   ai 2. English   love 3. Hiligaynon   gugma 4. Spanish   amor 5. Tagalog   mahal</pre> <p>Do you want to delete another pair from this entry? Y/N: Y</p> <p>Enter the pair number to delete (1 to 5):</p> | <p>X = Exit): D</p> <p>Enter the pair number to delete (1 to 6): 1<br/>Pair deleted successfully.</p> <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- ----- 1. Chinese   ai 2. English   love 3. Hiligaynon   gugma 4. Spanish   amor 5. Tagalog   mahal</pre> <p>Do you want to delete another pair from this entry? Y/N: Y</p> <p>Enter the pair number to delete (1 to 5):</p> |   |
| 6 | The user entered an invalid pair number and returned to the menu | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- ----- 1. Chinese   ai 2. English   love 3. Hiligaynon   gugma 4. Spanish   amor 5. Tagalog   mahal</pre>   | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- ----- 1. Chinese   ai 2. English   love 3. Hiligaynon   gugma 4. Spanish   amor 5. Tagalog   mahal</pre>   | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- ----- 1. Chinese   ai 2. English   love 3. Hiligaynon   gugma</pre>   | P |

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|---|---|--|--|--|---|
|   |   | <p>Do you want to delete another pair from this entry? Y/N: Y</p> <p>Enter the pair number to delete (1 to 5): 6<br/>Invalid pair number.</p> <p>Number of Entries 5<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit<br/>Enter your choice:</p> | <p>Do you want to delete another pair from this entry? Y/N: Y</p> <p>Enter the pair number to delete (1 to 5): 6<br/>Invalid pair number.</p> <p>Number of Entries 5<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit<br/>Enter your choice:</p> | <p>4. Spanish   amor<br/>5. Tagalog   mahal</p> <p>Do you want to delete another pair from this entry? Y/N: Y</p> <p>Enter the pair number to delete (1 to 5): 6<br/>Invalid pair number.</p> <p>Number of Entries 5<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit<br/>Enter your choice:</p> |   |
| 7 | The user deleted all the pairs in the entry | <p>Enter command (D = Delete Translation, N = Next, P = Previous, X = Exit): D</p> <p>Enter the pair number to delete (1 to 1): 1<br/>There are no pairs left.</p>   | <p>Enter command (D = Delete Translation, N = Next, P = Previous, X = Exit): D</p> <p>Enter the pair number to delete (1 to 1): 1<br/>There are no pairs left.</p>   | <p>Enter command (D = Delete Translation, N = Next, P = Previous, X = Exit): D</p> <p>Enter the pair number to delete (1 to 1): 1<br/>There are no pairs left.</p>   | P |

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|   |  | The entire entry has been deleted.   | The entire entry has been deleted.   | left.<br>The entire entry has been deleted.  |   |
| 8 | The user doesn't want to delete a pair anymore and returns to the menu | <pre>=====       ===== Language   Translation ----- -----  1. English   love  2. Hiligaynon   gugma  3. Spanish   amor  4. Tagalog   mahal  Do you want to delete another pair from this entry? Y/N: N</pre> | <pre>=====       ===== Language   Translation ----- -----  1. English   love  2. Hiligaynon   gugma  3. Spanish   amor  4. Tagalog   mahal  Do you want to delete another pair from this entry? Y/N: N</pre> | <pre>=====       ===== Language   Translation ----- -----  1. English   love  2. Hiligaynon         gugma  3. Spanish   amor  4. Tagalog   mahal  Do you want to delete another pair from this entry? Y/N: N</pre> | P |
| 9 | There are no pairs and entries left                                    | Enter command (D = Delete Translation, N =   | Enter command (D = Delete Translation, N =   | Enter command (D = Delete Translation, N   | P |

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|                   |   |                                | Next, P = Previous, X = Exit): D<br><br>Enter the pair number to delete (1 to 1): 1<br>There are no pairs left.<br>The entire entry has been deleted.   | Next, P = Previous, X = Exit): D<br><br>Enter the pair number to delete (1 to 1): 1<br>There are no pairs left.<br>The entire entry has been deleted.   | = Next, P = Previous, X = Exit): D<br><br>Enter the pair number to delete (1 to 1): 1<br>There are no pairs left.<br>The entire entry has been deleted.                 |   |
| displaytheEntries | 1 | Sorted and displayed the entry | =====<br>=====<br>Language   Translation<br>----- -----<br>Cebuano   gugma<br>Chinese   ai<br>English   love<br>Hiligaynon   gugma<br>Spanish   amor<br>Tagalog   mahal                           | =====<br>=====<br>Language   Translation<br>----- -----<br>Cebuano   gugma<br>Chinese   ai<br>English   love<br>Hiligaynon   gugma<br>Spanish   amor<br>Tagalog   mahal                           | =====<br>=====<br>Language   Translation<br>----- -----<br>Cebuano   gugma<br>Chinese   ai<br>English   love<br>Hiligaynon   gugma<br>Spanish   amor<br>Tagalog   mahal | P |
| displayAllEntries | 1 | Display the entries            | =====<br>=====<br>Language   Translation<br>----- -----<br>Cebuano   gugma<br>Chinese   ai<br>English   love<br>Hiligaynon   gugma<br>Spanish   amor<br>Tagalog   mahal<br><br>Enter command (N = | =====<br>=====<br>Language   Translation<br>----- -----<br>Cebuano   gugma<br>Chinese   ai<br>English   love<br>Hiligaynon   gugma<br>Spanish   amor<br>Tagalog   mahal<br><br>Enter command (N = | =====<br>=====<br>Language   Translation<br>----- -----<br>Cebuano   gugma<br>Chinese   ai<br>English   love<br>Hiligaynon   gugma<br>Spanish   amor<br>Tagalog   mahal | P |

|   |   | Next, P = Previous, X = Exit):   | Next, P = Previous, X = Exit):   | Enter command (N = Next, P = Previous, X = Exit):  |   |
|---|---|--|--|--|---|
| 2 | The user presses 'N' to go to the next entry      | <pre>===== =====</pre> Language   Translation ----- ----- English   expensive Tagalog   mahal  Enter command (N = Next, P = Previous, X = Exit): N <pre>===== =====</pre> Language   Translation ----- ----- Cebuano   gugma Chinese   ai English   love Hiligaynon   gugma Spanish   amor Tagalog   mahal | <pre>===== =====</pre> Language   Translation ----- ----- English   expensive Tagalog   mahal  Enter command (N = Next, P = Previous, X = Exit): N <pre>===== =====</pre> Language   Translation ----- ----- Cebuano   gugma Chinese   ai English   love Hiligaynon   gugma Spanish   amor Tagalog   mahal | <pre>===== =====</pre> Language   Translation ----- ----- English   expensive Tagalog   mahal  Enter command (N = Next, P = Previous, X = Exit): N <pre>===== =====</pre> Language   Translation ----- ----- Cebuano   gugma Chinese   ai English   love Hiligaynon   gugma Spanish   amor Tagalog   mahal | P |
| 3 | The user presses 'P' to go to the previous entry. | <pre>===== =====</pre> Language   Translation ----- -----  | <pre>===== =====</pre> Language   Translation ----- -----  | <pre>===== =====</pre> Language   Translation ----- -----  | P |

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|   |   | <p>Cebuano   gugma<br/>     Chinese   ai<br/>     English   love<br/>     Hiligaynon   gugma<br/>     Spanish   amor<br/>     Tagalog   mahal</p> <p>Enter command (N = Next, P = Previous, X = Exit): P</p> <hr/> <hr/> <p>=====</p> <p>Language   Translation</p> <hr/> <p>----- -----</p> <p>English   expensive<br/>     Tagalog   mahal</p> | <p>Cebuano   gugma<br/>     Chinese   ai<br/>     English   love<br/>     Hiligaynon   gugma<br/>     Spanish   amor<br/>     Tagalog   mahal</p> <p>Enter command (N = Next, P = Previous, X = Exit): P</p> <hr/> <hr/> <p>=====</p> <p>Language   Translation</p> <hr/> <p>----- -----</p> <p>English   expensive<br/>     Tagalog   mahal</p> | <p>Cebuano   gugma<br/>     Chinese   ai<br/>     English   love<br/>     Hiligaynon   gugma<br/>     Spanish   amor<br/>     Tagalog   mahal</p> <p>Enter command (N = Next, P = Previous, X = Exit): P</p> <hr/> <hr/> <p>=====</p> <p>Language   Translation</p> <hr/> <p>----- -----</p> <p>English  <br/>expensive<br/><br/>Tagalog   mahal</p> |   |
| 4 | The user presses 'X' to exit from the display all entries page. | <hr/> <hr/> <p>=====</p> <p>=====</p> <p>Language   Translation</p> <hr/> <p>----- -----</p> <p>English   expensive<br/>     Tagalog   mahal</p> <p>Enter command (N = Next, P = Previous, X = Exit): X</p> <hr/> <hr/> <p>=====</p>   | <hr/> <hr/> <p>=====</p> <p>=====</p> <p>Language   Translation</p> <hr/> <p>----- -----</p> <p>English   expensive<br/>     Tagalog   mahal</p> <p>Enter command (N = Next, P = Previous, X = Exit): X</p> <hr/> <hr/> <p>=====</p>   | <hr/> <hr/> <p>=====</p> <p>=====</p> <p>Language   Translation</p> <hr/> <p>----- -----</p> <p>English  <br/>expensive<br/><br/>Tagalog   mahal</p> <p>Enter command (N = Next, P = Previous, X = Exit): X</p> <hr/> <hr/> <p>=====</p>   | P |

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|            |   |                                    | <p>Number of Entries 5</p> <p><b>==Manage Data==</b></p> <ol style="list-style-type: none"> <li>1. Add Entry</li> <li>2. Add Translations</li> <li>3. Modify Entry</li> <li>4. Delete Entry</li> <li>5. Delete Translation</li> <li>6. Display All Entries</li> <li>7. Search Word</li> <li>8. Search Translation</li> <li>9. Export</li> <li>10. Import</li> <li>11. Exit</li> </ol> <p>Enter your choice:</p> | <p>Number of Entries 5</p> <p><b>==Manage Data==</b></p> <ol style="list-style-type: none"> <li>1. Add Entry</li> <li>2. Add Translations</li> <li>3. Modify Entry</li> <li>4. Delete Entry</li> <li>5. Delete Translation</li> <li>6. Display All Entries</li> <li>7. Search Word</li> <li>8. Search Translation</li> <li>9. Export</li> <li>10. Import</li> <li>11. Exit</li> </ol> <p>Enter your choice:</p> | <p>=====</p> <p>Number of Entries 5</p> <p><b>==Manage Data==</b></p> <ol style="list-style-type: none"> <li>1. Add Entry</li> <li>2. Add Translations</li> <li>3. Modify Entry</li> <li>4. Delete Entry</li> <li>5. Delete Translation</li> <li>6. Display All Entries</li> <li>7. Search Word</li> <li>8. Search Translation</li> <li>9. Export</li> <li>10. Import</li> <li>11. Exit</li> </ol> <p>Enter your choice:</p> |   |
| searchWord | 1 | The user entered a word to search. | <p>Enter the word to search for: mahal</p> <p>=====</p> <p>=====</p> <p>Displaying entry 1 of 5:</p> <p>=====</p> <p>=====</p> <p>Language   Translation</p> <p>----- -----</p> <p>English   expensive</p> <p>Tagalog   mahal</p> <p>=====</p>  | <p>Enter the word to search for: mahal</p> <p>=====</p> <p>=====</p> <p>Displaying entry 1 of 5:</p> <p>=====</p> <p>=====</p> <p>Language   Translation</p> <p>----- -----</p> <p>English   expensive</p> <p>Tagalog   mahal</p> <p>=====</p>  | <p>Enter the word to search for: mahal</p> <p>=====</p> <p>=====</p> <p>Displaying entry 1 of 5:</p> <p>=====</p> <p>=====</p> <p>Language   Translation</p> <p>----- -----</p> <p>English   expensive</p> <p>Tagalog   mahal</p> <p>=====</p>   | P |

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|   |   | <pre>===== Options: 1. Next 2. Previous 3. Exit Enter your choice:</pre>  | <pre>===== Options: 1. Next 2. Previous 3. Exit Enter your choice:</pre>  | <pre>===== Options: 1. Next 2. Previous 3. Exit Enter your choice:</pre>  |   |
| 2 | If the entered word is not found, it will say "No entries match the word" and return to the menu. | <p>Enter the word to search for: hello</p> <pre>===== ===== No entries match the word 'hello'.</pre> <p>Number of Entries 7<br/> <b>==Manage Data==</b><br/> 1. Add Entry<br/> 2. Add Translations<br/> 3. Modify Entry<br/> 4. Delete Entry<br/> 5. Delete Translation<br/> 6. Display All Entries</p> | <p>Enter the word to search for: hello</p> <pre>===== ===== No entries match the word 'hello'.</pre> <p>Number of Entries 7<br/> <b>==Manage Data==</b><br/> 1. Add Entry<br/> 2. Add Translations<br/> 3. Modify Entry<br/> 4. Delete Entry<br/> 5. Delete Translation<br/> 6. Display All Entries</p> | <p>Enter the word to search for: hello</p> <pre>===== ===== No entries match the word 'hello'.</pre> <p>Number of Entries 7<br/> <b>==Manage Data==</b><br/> 1. Add Entry<br/> 2. Add Translations<br/> 3. Modify Entry<br/> 4. Delete Entry<br/> 5. Delete Translation<br/> 6. Display All Entries</p> | P |
| 3 | If the word is found, it will display the entries that match with                                 | <p>Enter the word to search for: mahal</p> <pre>=====</pre>   | <p>Enter the word to search for: mahal</p> <pre>=====</pre>   | <p>Enter the word to search for: mahal</p> <pre>=====</pre>   | P |

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|   | the search word.                             | =====<br>Displaying entry 1 of 5:<br>=====<br>Language   Translation<br>----- -----<br>English   expensive<br>Tagalog   mahal<br>=====<br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: | =====<br>Displaying entry 1 of 5:<br>=====<br>Language   Translation<br>----- -----<br>English   expensive<br>Tagalog   mahal<br>=====<br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: | =====<br>Displaying entry 1 of 5:<br>=====<br>Language   Translation<br>----- -----<br>English   expensive<br>Tagalog   mahal<br>=====<br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: |   |
| 4 | The user presses '1' to go to the next entry | =====<br>=====<br>Displaying entry 2 of 5:<br>=====<br>Language   Translation<br>----- -----<br>English   love<br>Hiligaynon   gugma  | =====<br>=====<br>Displaying entry 2 of 5:<br>=====<br>Language   Translation<br>----- -----<br>English   love<br>Hiligaynon   gugma  | =====<br>=====<br>Displaying entry 2 of 5:<br>=====<br>Language   Translation<br>----- -----<br>English   love<br>Hiligaynon   gugma  | P |

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|   |   | <p>Spanish   amor<br/>Tagalog   mahal</p> <pre>=====</pre> <pre>=====</pre>   | <p>Spanish   amor<br/>Tagalog   mahal</p> <pre>=====</pre> <pre>=====</pre>   | <p>English   love<br/>Hiligaynon   gugma<br/>Spanish   amor<br/>Tagalog   mahal</p> <pre>=====</pre> <pre>=====</pre>   |   |
| 5 | The user presses '2' to go to the previous entry. | <pre>=====</pre> <pre>=====</pre> <p>Options:<br/>1. Next<br/>2. Previous<br/>3. Exit</p> <p>Enter your choice: 2</p> <pre>=====</pre> <pre>=====</pre> <p>Displaying entry 1 of 5:</p> <pre>=====</pre> <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>English   expensive<br/>Tagalog   mahal</p> <pre>=====</pre> <pre>=====</pre> | <pre>=====</pre> <pre>=====</pre> <p>Options:<br/>1. Next<br/>2. Previous<br/>3. Exit</p> <p>Enter your choice: 2</p> <pre>=====</pre> <pre>=====</pre> <p>Displaying entry 1 of 5:</p> <pre>=====</pre> <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>English   expensive<br/>Tagalog   mahal</p> <pre>=====</pre> <pre>=====</pre> | <pre>=====</pre> <pre>=====</pre> <p>Options:<br/>1. Next<br/>2. Previous<br/>3. Exit</p> <p>Enter your choice: 2</p> <pre>=====</pre> <pre>=====</pre> <p>Displaying entry 1 of 5:</p> <pre>=====</pre> <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>English   expensive<br/>Tagalog   mahal</p> <pre>=====</pre> <pre>=====</pre> | P |

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|                   |   |  |  | =====  |   |
| 6                 | The user presses '3' to exit from the search word page. | =====<br><br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: 3<br><br>Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit<br>Enter your choice: | =====<br><br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: 3<br><br>Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit<br>Enter your choice: | =====<br><br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: 3<br><br>Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit<br>Enter your choice: | P   |
| searchTranslation | 1   | The user encoded the language and translation pair to be searched  | ==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries  | ==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries  | ==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries |

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|   |   | <p>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit</p> <p>Enter your choice: 8<br/>Enter the Language to search for: English<br/>Enter the Translation to search for: love</p>  | <p>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit</p> <p>Enter your choice: 8<br/>Enter the Language to search for: English<br/>Enter the Translation to search for: love</p>  | <p>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit</p> <p>Enter your choice: 8<br/>Enter the Language to search for: English<br/>Enter the Translation to search for: love</p>  |   |
| 2 | If the language-translation pair does not exist, it will print No entries match the pair And returns to the menu. | <p>Enter the Language to search for: English<br/>Enter the Translation to search for: hi</p> <p>=====</p> <p>No entries match the pair 'English' 'hi'.</p> <p>Number of Entries 7<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit</p> | <p>Enter the Language to search for: English<br/>Enter the Translation to search for: hi</p> <p>=====</p> <p>No entries match the pair 'English' 'hi'.</p> <p>Number of Entries 7<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit</p> | <p>Enter the Language to search for: English<br/>Enter the Translation to search for: hi</p> <p>=====</p> <p>No entries match the pair 'English' 'hi'.</p> <p>Number of Entries 7<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit</p> | P |

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|   |   |  |  |  |   |
| 3 | If the language-translation pair exists, it will print the matching entries | =====<br>=====<br>Displaying entry 1 of 4:<br>=====<br>=====<br>Language   Translation<br>----- -----<br>English   love<br>=====<br>=====<br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: | =====<br>=====<br>Displaying entry 1 of 4:<br>=====<br>=====<br>Language   Translation<br>----- -----<br>English   love<br>=====<br>=====<br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: | =====<br>=====<br>Displaying entry 1 of 4:<br>=====<br>=====<br>Language   Translation<br>----- -----<br>English   love<br>=====<br>=====<br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: | P |
| 4 | The user presses 1 to go to the next entry                                  | =====<br>=====<br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: 1<br>=====   | =====<br>=====<br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: 1<br>=====   | =====<br>=====<br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: 1<br>=====   | P |

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|   |   | <pre>===== Displaying entry 2 of 4: ===== =====</pre> <p>Language   Translation</p> <hr/> <p>English   love</p> <hr/> <pre>=====</pre>  | <pre>===== Displaying entry 2 of 4: ===== =====</pre> <p>Language   Translation</p> <hr/> <p>English   love</p> <hr/> <pre>=====</pre>  | <pre>===== Displaying entry 2 of 4: ===== =====</pre> <p>Language   Translation</p> <hr/> <p>English   love</p> <hr/> <pre>=====</pre>  |   |
| 5 | The user presses 2 to go to the previous entry. | <pre>===== =====</pre> <p>Options:</p> <ol style="list-style-type: none"> <li>1. Next</li> <li>2. Previous</li> <li>3. Exit</li> </ol> <p>Enter your choice: 2</p> <hr/> <pre>=====</pre> | <pre>===== =====</pre> <p>Options:</p> <ol style="list-style-type: none"> <li>1. Next</li> <li>2. Previous</li> <li>3. Exit</li> </ol> <p>Enter your choice: 2</p> <hr/> <pre>=====</pre> | <pre>===== =====</pre> <p>Options:</p> <ol style="list-style-type: none"> <li>1. Next</li> <li>2. Previous</li> <li>3. Exit</li> </ol> <p>Enter your choice: 2</p> <hr/> <pre>=====</pre> | P |

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|                 |   |                                       | =====<br>=====   | =====<br>=====   | ----- -----<br>English   love<br>=====<br>=====  |   |
| 6               | The user presses 3 to exit from the search word page. |                                       | =====<br>=====<br><br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: 3  | =====<br>=====<br><br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: 3  | =====<br>=====<br><br>Options:<br>1. Next<br>2. Previous<br>3. Exit<br>Enter your choice: 3  | P |
|                 |   |                                       | Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit | Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit | Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit |   |
| addTranslations | 1   | The user encoded a language-translatl | Number of Entries 7<br>==Manage Data==<br>1. Add Entry   | Number of Entries 7<br>==Manage Data==<br>1. Add Entry   | Number of Entries 7<br>==Manage Data==<br>1. Add Entry   | P |

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|   |  | on pair   | <p>2. Add Translations<br/>         3. Modify Entry<br/>         4. Delete Entry<br/>         5. Delete Translation<br/>         6. Display All Entries<br/>         7. Search Word<br/>         8. Search Translation<br/>         9. Export<br/>         10. Import<br/>         11. Exit</p> <p>Enter your choice: 2<br/>         Enter language: d<br/>         Enter translation: d</p> <hr/> <hr/> <p>Enter language: hi<br/>         Enter translation: hello</p> | <p>2. Add Translations<br/>         3. Modify Entry<br/>         4. Delete Entry<br/>         5. Delete Translation<br/>         6. Display All Entries<br/>         7. Search Word<br/>         8. Search Translation<br/>         9. Export<br/>         10. Import<br/>         11. Exit</p> <p>Enter your choice: 2<br/>         Enter language: d<br/>         Enter translation: d</p> <hr/> <hr/> <p>Enter language: hi<br/>         Enter translation: hello</p> | <p>2. Add Translations<br/>         3. Modify Entry<br/>         4. Delete Entry<br/>         5. Delete Translation<br/>         6. Display All Entries<br/>         7. Search Word<br/>         8. Search Translation<br/>         9. Export<br/>         10. Import<br/>         11. Exit</p> <p>Enter your choice: 2<br/>         Enter language: d<br/>         Enter translation: d</p> <hr/> <hr/> <p>Enter language: hi<br/>         Enter translation: hello</p> |   |
| 2 |  | The program checks if there's an existing entry with the indicated language-translation pair, the pair does not exist | <p>==Manage Data==</p> <p>1. Add Entry<br/>         2. Add Translations<br/>         3. Modify Entry<br/>         4. Delete Entry<br/>         5. Delete Translation<br/>         6. Display All Entries<br/>         7. Search Word<br/>         8. Search Translation<br/>         9. Export<br/>         10. Import<br/>         11. Exit</p> <p>Enter your choice: 2<br/>         Enter language: d<br/>         Enter translation: d</p>                            | <p>==Manage Data==</p> <p>1. Add Entry<br/>         2. Add Translations<br/>         3. Modify Entry<br/>         4. Delete Entry<br/>         5. Delete Translation<br/>         6. Display All Entries<br/>         7. Search Word<br/>         8. Search Translation<br/>         9. Export<br/>         10. Import<br/>         11. Exit</p> <p>Enter your choice: 2<br/>         Enter language: d<br/>         Enter translation: d</p>                            | <p>==Manage Data==</p> <p>1. Add Entry<br/>         2. Add Translations<br/>         3. Modify Entry<br/>         4. Delete Entry<br/>         5. Delete Translation<br/>         6. Display All Entries<br/>         7. Search Word<br/>         8. Search Translation<br/>         9. Export<br/>         10. Import<br/>         11. Exit</p> <p>Enter your choice: 2<br/>         Enter language: d<br/>         Enter translation: d</p>                            | P |

|   |   |  |  |   |   |
|---|---|--|--|---|---|
|   |   | <pre>===== Enter language: hi Enter translation: hello</pre>   | <pre>===== Enter language: hi Enter translation: hello</pre>   | <pre>===== Enter language: hi Enter translation: hello</pre>  |   |
| 3 | The program checks if there's an existing entry with the indicated language-translation pair. If the pair exists, the language-translation pair is asked. | <pre>Enter language: English Enter translation: love</pre> <pre>===== Language   Translation ----- ----- Entry: 2 English   love</pre> <pre>===== Language   Translation ----- ----- Entry: 3 English   love</pre> <pre>===== Language   Translation ----- ----- Entry: 5 English   love Hiligaynon   gugma Spanish   amor Tagalog   mahal</pre> | <pre>Enter language: English Enter translation: love</pre> <pre>===== Language   Translation ----- ----- Entry: 2 English   love</pre> <pre>===== Language   Translation ----- ----- Entry: 3 English   love</pre> <pre>===== Language   Translation ----- ----- Entry: 5 English   love Hiligaynon   gugma Spanish   amor</pre> | <pre>Enter language: English Enter translation: love</pre> <pre>===== Language   Translation ----- ----- Entry: 2 English   love</pre> <pre>===== Language   Translation ----- ----- Entry: 3 English   love</pre> <pre>===== Language   Translation ----- ----- Entry: 5 English   love Hiligaynon   gugma</pre> | P |

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|   |   | <pre>===== ===== Language   Translation ----- ----- Entry: 6 Cebuano   gugma Chinese   ai English   love Hiligaynon   gugma Spanish   amor Tagalog   mahal  Multiple entries found. Enter the entry number to add the translation:</pre> | <pre>===== Language   mahal</pre>  | <pre>===== Spanish   amor Tagalog   mahal</pre>  |   |
| 4 | Multiple entries found, the user needs to enter the entry number of the entry they want to add a translation pair | <pre>===== ===== Language   Translation ----- ----- Entry: 6 Cebuano   gugma Chinese   ai English   love Hiligaynon   gugma Spanish   amor Tagalog   mahal  Multiple entries found.</pre>  | <pre>===== Language     Translation ----- ----- Entry: 6 Cebuano   gugma Chinese   ai English   love Hiligaynon   gugma Spanish   amor Tagalog   mahal  Multiple entries found. Enter the entry number to add the translation:</pre> | <pre>===== Language     Translation ----- ----- Entry: 6 Cebuano   gugma Chinese   ai English   love Hiligaynon   gugma Spanish   amor Tagalog   mahal  Multiple entries found. Enter the entry number to add the translation:</pre> | P |

|            |  |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
|------------|--|---|---|---|---------|----|---------|------|------------|-------|---------|------|---------|-------|---------|------|---|---------|-------|---------|----|---------|------|------------|-------|---------|------|---------|-------|---------|------|---|---------|-------|---------|----|---------|------|------------|-------|---------|------|---------|-------|---------|------|---|
|            |  | <p>Enter the entry number<br/>to add the translation: 6</p> <pre>=====</pre> <p>Enter language: testing<br/>Enter translation: test</p>   | <p>Multiple entries found.<br/>Enter the entry number<br/>to add the translation: 6</p> <pre>=====</pre> <p>Enter language: testing<br/>Enter translation: test</p> | <p>Multiple entries found.<br/>Enter the entry<br/>number to add the<br/>translation: 6</p> <pre>=====</pre> <p>Enter language:<br/>testing<br/>Enter translation: test</p> |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| 5          | Invalid number,<br>return to the<br>menu.      | <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>Entry: 6</p> <table> <tr><td>Cebuano</td><td>  gugma</td></tr> <tr><td>Chinese</td><td>  ai</td></tr> <tr><td>English</td><td>  love</td></tr> <tr><td>Hiligaynon</td><td>  gugma</td></tr> <tr><td>Spanish</td><td>  amor</td></tr> <tr><td>Tagalog</td><td>  mahal</td></tr> <tr><td>testing</td><td>  test</td></tr> </table> <p>Multiple entries found.<br/>Enter the entry number<br/>to add the translation: 9<br/>Invalid entry number.</p> | Cebuano   | gugma   | Chinese | ai | English | love | Hiligaynon | gugma | Spanish | amor | Tagalog | mahal | testing | test | <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>Entry: 6</p> <table> <tr><td>Cebuano</td><td>  gugma</td></tr> <tr><td>Chinese</td><td>  ai</td></tr> <tr><td>English</td><td>  love</td></tr> <tr><td>Hiligaynon</td><td>  gugma</td></tr> <tr><td>Spanish</td><td>  amor</td></tr> <tr><td>Tagalog</td><td>  mahal</td></tr> <tr><td>testing</td><td>  test</td></tr> </table> <p>Multiple entries found.<br/>Enter the entry number<br/>to add the translation: 9<br/>Invalid entry number.</p> | Cebuano | gugma | Chinese | ai | English | love | Hiligaynon | gugma | Spanish | amor | Tagalog | mahal | testing | test | <pre>=====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>Entry: 6</p> <table> <tr><td>Cebuano</td><td>  gugma</td></tr> <tr><td>Chinese</td><td>  ai</td></tr> <tr><td>English</td><td>  love</td></tr> <tr><td>Hiligaynon</td><td>  gugma</td></tr> <tr><td>Spanish</td><td>  amor</td></tr> <tr><td>Tagalog</td><td>  mahal</td></tr> <tr><td>testing</td><td>  test</td></tr> </table> <p>Multiple entries found.<br/>Enter the entry<br/>number to add the<br/>translation: 9<br/>Invalid entry number.</p> | Cebuano | gugma | Chinese | ai | English | love | Hiligaynon | gugma | Spanish | amor | Tagalog | mahal | testing | test | P |
| Cebuano    | gugma  |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Chinese    | ai   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| English    | love   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Hiligaynon | gugma  |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Spanish    | amor   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Tagalog    | mahal  |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| testing    | test   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Cebuano    | gugma  |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Chinese    | ai   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| English    | love   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Hiligaynon | gugma  |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Spanish    | amor   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Tagalog    | mahal  |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| testing    | test   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Cebuano    | gugma  |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Chinese    | ai   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| English    | love   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Hiligaynon | gugma  |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Spanish    | amor   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| Tagalog    | mahal  |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| testing    | test   |   |   |   |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |
| 6          | Ask the user if<br>they want to add<br>another | Add more translations to<br>the same entry? (Y/N): y  | Add more translations to<br>the same entry? (Y/N): y  | Add more translations<br>to the same entry?<br>(Y/N): y   | P       |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |         |       |         |    |         |      |            |       |         |      |         |       |         |      |   |

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|---|--|---|--|--|--|---|
|   |  | translation pair, if yes add another pair   | =====<br>=====<br>Enter language: testing1<br>Enter translation: test  | =====<br>=====<br>Enter language: testing1<br>Enter translation: test  | =====<br>=====<br>Enter language: testing1<br>Enter translation: test  |   |
| 7 |  | Ask the user if they want to add another translation pair, if no return to the menu | Add more translations to the same entry? (Y/N): n<br>=====<br>=====  | Add more translations to the same entry? (Y/N): n<br>=====<br>=====  | Add more translations to the same entry? (Y/N): n<br>=====<br>=====  | P |
| 8 |  | Maximum number of translations reached, return to the menu                          | Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>=====<br>=====<br>Enter language: a<br>Enter translation: a<br>Add more translations to the same entry? (Y/N): y<br>=====<br>=====<br>Enter language: b<br>Enter translation: b<br>=====<br>===== | Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>=====<br>=====<br>Enter language: a<br>Enter translation: a<br>Add more translations to the same entry? (Y/N): y<br>=====<br>=====<br>Enter language: b<br>Enter translation: b<br>=====<br>===== | Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>=====<br>=====<br>Enter language: a<br>Enter translation: a<br>Add more translations to the same entry? (Y/N): y<br>=====<br>=====<br>Enter language: b<br>Enter translation: b<br>=====<br>===== | P |

|            |   |  |   |   |   |   |
|------------|---|--|---|---|---|---|
|            |   |  | Maximum number of translations reached.<br><br>Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit | Maximum number of translations reached.<br><br>Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit | Maximum number of translations reached.<br><br>Number of Entries 7<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit |   |
| exportData | 1 | The user is asked to enter a file name                                   | Enter File Name of Data to Import: testCase<br>Data exported to testCase successfully.<br><br>Number of Entries 7   | Enter File Name of Data to Import: testCase<br>Data exported to testCase successfully.<br><br>Number of Entries 7   | Enter File Name of Data to Import: testCase<br>Data exported to testCase successfully.<br><br>Number of Entries 7   | P |
| importData | 1 | The user is asked to enter the file name of the file they want to import | Number of Entries 4<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation  | Number of Entries 4<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation  | Number of Entries 4<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation  | P |

|   |   |  |  |   |   |
|---|---|--|--|---|---|
|   |   | <p>6. Display All Entries<br/>     7. Search Word<br/>     8. Search Translation<br/>     9. Export<br/>     10. Import<br/>     11. Exit</p> <p>Enter your choice: 10<br/>     Enter File Name of Data to Import: example</p>   | <p>6. Display All Entries<br/>     7. Search Word<br/>     8. Search Translation<br/>     9. Export<br/>     10. Import<br/>     11. Exit</p> <p>Enter your choice: 10<br/>     Enter File Name of Data to Import: example</p>   | <p>6. Display All Entries<br/>     7. Search Word<br/>     8. Search Translation<br/>     9. Export<br/>     10. Import<br/>     11. Exit</p> <p>Enter your choice: 10<br/>     Enter File Name of Data to Import: example</p>  |   |
| 2 | Ask the user if they want to add the entry to the list and answer 'Y' | <p>Number of Entries 4<br/> <b>==Manage Data==</b></p> <p>1. Add Entry<br/>     2. Add Translations<br/>     3. Modify Entry<br/>     4. Delete Entry<br/>     5. Delete Translation<br/>     6. Display All Entries<br/>     7. Search Word<br/>     8. Search Translation<br/>     9. Export<br/>     10. Import<br/>     11. Exit</p> <p>Enter your choice: 10<br/>     Enter File Name of Data to Import: example</p> <hr/> <hr/> <p>Load entry:<br/>     English: love<br/>     Tagalog: mahal<br/>     Hiligaynon: gugma</p> | <p>Number of Entries 4<br/> <b>==Manage Data==</b></p> <p>1. Add Entry<br/>     2. Add Translations<br/>     3. Modify Entry<br/>     4. Delete Entry<br/>     5. Delete Translation<br/>     6. Display All Entries<br/>     7. Search Word<br/>     8. Search Translation<br/>     9. Export<br/>     10. Import<br/>     11. Exit</p> <p>Enter your choice: 10<br/>     Enter File Name of Data to Import: example</p> <hr/> <hr/> <p>Load entry:<br/>     English: love<br/>     Tagalog: mahal<br/>     Hiligaynon: gugma</p> | <p>Number of Entries 4<br/> <b>==Manage Data==</b></p> <p>1. Add Entry<br/>     2. Add Translations<br/>     3. Modify Entry<br/>     4. Delete Entry<br/>     5. Delete Translation<br/>     6. Display All Entries<br/>     7. Search Word<br/>     8. Search Translation<br/>     9. Export<br/>     10. Import<br/>     11. Exit</p> <p>Enter your choice: 10<br/>     Enter File Name of Data to Import: example</p> <hr/> <hr/> <p>Load entry:<br/>     English: love<br/>     Tagalog: mahal</p> | P |

|           |   |   |  |  |  |
|-----------|---|---|--|--|--|
|           |   | Cebuano: gugma<br>Spanish: amor<br>Chinese: ai<br>Add to list? (Y/N): y | Cebuano: gugma<br>Spanish: amor<br>Chinese: ai<br>Add to list? (Y/N): y  | Hiligaynon: gugma<br>Cebuano: gugma<br>Spanish: amor<br>Chinese: ai<br>Add to list? (Y/N): y   |  |
|           | 3 | Ask the user if they want to add the entry to the list and answer 'N'   | Load entry:<br>Tagalog: mahal<br>Kapampangan: mal<br>Cebuano: mahal<br>English: expensive<br>Chinese: gui<br>Add to list? (Y/N): n<br>Data imported from example successfully.<br><br>Number of Entries 5  | Load entry:<br>Tagalog: mahal<br>Kapampangan: mal<br>Cebuano: mahal<br>English: expensive<br>Chinese: gui<br>Add to list? (Y/N): n<br>Data imported from example successfully.<br><br>Number of Entries 5  | Load entry:<br>Tagalog: mahal<br>Kapampangan: mal<br>Cebuano: mahal<br>English: expensive<br>Chinese: gui<br>Add to list? (Y/N): n<br>Data imported from example successfully.<br><br>Number of Entries 5  |
| clearData | 1 | Clears all the entries saved.   | Number of Entries 1<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit<br>Enter your choice: 11<br>==Main Menu== | Number of Entries 1<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit<br>Enter your choice: 11<br>==Main Menu== | Number of Entries 1<br>==Manage Data==<br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit<br>Enter your choice: 11<br>==Main Menu== |

|                         |   |   |  |  |  |   |
|-------------------------|---|---|--|--|--|---|
|                         |   |   | <p>1. Manage Data<br/>2. Language Tools<br/>3. Exit<br/>Enter your choice: 1</p> <p>Number of Entries 0<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit</p> | <p>1. Manage Data<br/>2. Language Tools<br/>3. Exit<br/>Enter your choice: 1</p> <p>Number of Entries 0<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit</p> | <p>1. Manage Data<br/>2. Language Tools<br/>3. Exit<br/>Enter your choice: 1</p> <p>Number of Entries 0<br/>==Manage Data==<br/>1. Add Entry<br/>2. Add Translations<br/>3. Modify Entry<br/>4. Delete Entry<br/>5. Delete Translation<br/>6. Display All Entries<br/>7. Search Word<br/>8. Search Translation<br/>9. Export<br/>10. Import<br/>11. Exit</p> |   |
| displaysforModifyDelete | 1 | Display that is used for modifyEntry, deleteEntry, and deleteTranslation. | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. D   d</p>  | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. D   d</p>  | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. D   d</p>  | P |
| modifyEntry             | 1 | The user presses 'M' to modify the entry                                  | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. Cebuano   gugma<br/>2. Chinese   ai<br/>3. English   love</p>  | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. Cebuano   gugma<br/>2. Chinese   ai<br/>3. English   love</p>  | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <p>1. Cebuano   gugma</p>  | P |

|                       |   | <p>4. Hiligaynon   gugma<br/>5. Spanish   amor<br/>6. Tagalog   mahal</p> <p>Enter command (M = Modify, N = Next, P = Previous, X = Exit): M</p> <p>Enter the pair number you want to modify (1 to 6):</p>  | <p>4. Hiligaynon   gugma<br/>5. Spanish   amor<br/>6. Tagalog   mahal</p> <p>Enter command (M = Modify, N = Next, P = Previous, X = Exit): M</p> <p>Enter the pair number you want to modify (1 to 6):</p> | <p>2. Chinese   ai<br/>3. English   love<br/>4. Hiligaynon   gugma<br/>5. Spanish   amor<br/>6. Tagalog   mahal</p> <p>Enter command (M = Modify, N = Next, P = Previous, X = Exit): M</p> <p>Enter the pair number you want to modify (1 to 6):</p> |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
|-----------------------|---|---|--|--|-------------|-------------|--|--|--------------------|--|--------------------|-----------------|--|-----------------|-------------------|--|-------------------|-----------------------|--|-----------------------|-------------------|--|-------------------|--------------------|--|--------------------|---|----------|--|-------------|-------------|--|--|--------------------|--|--------------------|-----------------|--|-----------------|-------------------|--|-------------------|-----------------------|--|-----------------------|-------------------|--|-------------------|--------------------|--|--------------------|--|----------|--|-------------|-------------|--|--|--------------------|--|--------------------|-----------------|--|-----------------|-------------------|--|-------------------|-----------------------|--|-----------------------|-------------------|--|-------------------|--------------------|--|--------------------|---|
|                       | 2 | <p>The user entered the pair number that they wanted to modify.</p> <pre>===== =====</pre> <table border="1"> <thead> <tr> <th>Language</th> <th> </th> <th>Translation</th> </tr> </thead> <tbody> <tr><td>----- -----</td><td></td><td></td></tr> <tr><td>1. Cebuano   gugma</td><td></td><td>1. Cebuano   gugma</td></tr> <tr><td>2. Chinese   ai</td><td></td><td>2. Chinese   ai</td></tr> <tr><td>3. English   love</td><td></td><td>3. English   love</td></tr> <tr><td>4. Hiligaynon   gugma</td><td></td><td>4. Hiligaynon   gugma</td></tr> <tr><td>5. Spanish   amor</td><td></td><td>5. Spanish   amor</td></tr> <tr><td>6. Tagalog   mahal</td><td></td><td>6. Tagalog   mahal</td></tr> </tbody> </table> <p>Enter command (M = Modify, N = Next, P = Previous, X = Exit): M</p> <p>Enter the pair number you want to modify (1 to 6): 1</p> <p>Which field would you like to modify?</p> | Language   |  | Translation | ----- ----- |  |  | 1. Cebuano   gugma |  | 1. Cebuano   gugma | 2. Chinese   ai |  | 2. Chinese   ai | 3. English   love |  | 3. English   love | 4. Hiligaynon   gugma |  | 4. Hiligaynon   gugma | 5. Spanish   amor |  | 5. Spanish   amor | 6. Tagalog   mahal |  | 6. Tagalog   mahal | <pre>===== =====</pre> <table border="1"> <thead> <tr> <th>Language</th> <th> </th> <th>Translation</th> </tr> </thead> <tbody> <tr><td>----- -----</td><td></td><td></td></tr> <tr><td>1. Cebuano   gugma</td><td></td><td>1. Cebuano   gugma</td></tr> <tr><td>2. Chinese   ai</td><td></td><td>2. Chinese   ai</td></tr> <tr><td>3. English   love</td><td></td><td>3. English   love</td></tr> <tr><td>4. Hiligaynon   gugma</td><td></td><td>4. Hiligaynon   gugma</td></tr> <tr><td>5. Spanish   amor</td><td></td><td>5. Spanish   amor</td></tr> <tr><td>6. Tagalog   mahal</td><td></td><td>6. Tagalog   mahal</td></tr> </tbody> </table> <p>Enter command (M = Modify, N = Next, P = Previous, X = Exit): M</p> <p>Enter the pair number you want to modify (1 to 6): 1</p> <p>Which field would you like to modify?</p> | Language |  | Translation | ----- ----- |  |  | 1. Cebuano   gugma |  | 1. Cebuano   gugma | 2. Chinese   ai |  | 2. Chinese   ai | 3. English   love |  | 3. English   love | 4. Hiligaynon   gugma |  | 4. Hiligaynon   gugma | 5. Spanish   amor |  | 5. Spanish   amor | 6. Tagalog   mahal |  | 6. Tagalog   mahal | <pre>===== =====</pre> <table border="1"> <thead> <tr> <th>Language</th> <th> </th> <th>Translation</th> </tr> </thead> <tbody> <tr><td>----- -----</td><td></td><td></td></tr> <tr><td>1. Cebuano   gugma</td><td></td><td>1. Cebuano   gugma</td></tr> <tr><td>2. Chinese   ai</td><td></td><td>2. Chinese   ai</td></tr> <tr><td>3. English   love</td><td></td><td>3. English   love</td></tr> <tr><td>4. Hiligaynon   gugma</td><td></td><td>4. Hiligaynon   gugma</td></tr> <tr><td>5. Spanish   amor</td><td></td><td>5. Spanish   amor</td></tr> <tr><td>6. Tagalog   mahal</td><td></td><td>6. Tagalog   mahal</td></tr> </tbody> </table> <p>Enter command (M = Modify, N = Next, P = Previous, X = Exit): M</p> <p>Enter the pair number you want to modify (1 to 6):</p> | Language |  | Translation | ----- ----- |  |  | 1. Cebuano   gugma |  | 1. Cebuano   gugma | 2. Chinese   ai |  | 2. Chinese   ai | 3. English   love |  | 3. English   love | 4. Hiligaynon   gugma |  | 4. Hiligaynon   gugma | 5. Spanish   amor |  | 5. Spanish   amor | 6. Tagalog   mahal |  | 6. Tagalog   mahal | P |
| Language              |   | Translation   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| ----- -----           |   |   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 1. Cebuano   gugma    |   | 1. Cebuano   gugma  |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 2. Chinese   ai       |   | 2. Chinese   ai   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 3. English   love     |   | 3. English   love   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 4. Hiligaynon   gugma |   | 4. Hiligaynon   gugma   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 5. Spanish   amor     |   | 5. Spanish   amor   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 6. Tagalog   mahal    |   | 6. Tagalog   mahal  |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| Language              |   | Translation   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| ----- -----           |   |   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 1. Cebuano   gugma    |   | 1. Cebuano   gugma  |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 2. Chinese   ai       |   | 2. Chinese   ai   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 3. English   love     |   | 3. English   love   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 4. Hiligaynon   gugma |   | 4. Hiligaynon   gugma   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 5. Spanish   amor     |   | 5. Spanish   amor   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 6. Tagalog   mahal    |   | 6. Tagalog   mahal  |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| Language              |   | Translation   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| ----- -----           |   |   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 1. Cebuano   gugma    |   | 1. Cebuano   gugma  |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 2. Chinese   ai       |   | 2. Chinese   ai   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 3. English   love     |   | 3. English   love   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 4. Hiligaynon   gugma |   | 4. Hiligaynon   gugma   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 5. Spanish   amor     |   | 5. Spanish   amor   |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |
| 6. Tagalog   mahal    |   | 6. Tagalog   mahal  |  |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |  |          |  |             |             |  |  |                    |  |                    |                 |  |                 |                   |  |                   |                       |  |                       |                   |  |                   |                    |  |                    |   |

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|--|---|--|---|---|---|---|
|  |   |  | 1. Language<br>2. Translation   | 1. Language<br>2. Translation   | to 6): 1<br>Which field would you like to modify?<br>1. Language<br>2. Translation  |   |
|  | 3 | The user wanted to modify the language | Which field would you like to modify?<br>1. Language<br>2. Translation<br>Enter your choice: 1<br>Enter language:<br>MODIFYLANGUAGE<br><br>=====<br>Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love<br>3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   gugma<br>5. Spanish   amor<br>6. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): | Which field would you like to modify?<br>1. Language<br>2. Translation<br>Enter your choice: 1<br>Enter language:<br>MODIFYLANGUAGE<br><br>=====<br>Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love<br>3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   gugma<br>5. Spanish   amor<br>6. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): | Which field would you like to modify?<br>1. Language<br>2. Translation<br>Enter your choice: 1<br>Enter language:<br>MODIFYLANGUAGE<br><br>=====<br>Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love<br>3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   gugma<br>5. Spanish   amor<br>6. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): | P |
|  | 4 | The user wanted                        | Which field would you   | Which field would you   | Which field would you   | P |

|  |   |   |  |  |   |
|--|---|---|--|--|---|
|  |   | <p>to modify the translation</p> <p>like to modify?</p> <ol style="list-style-type: none"> <li>1. Language</li> <li>2. Translation</li> </ol> <p>Enter your choice: 2</p> <p>Enter translation: modify</p> <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <ol style="list-style-type: none"> <li>1. Chinese   ai</li> <li>2. English   love</li> <li>3. Hiligaynon   gugma</li> <li>4. MODIFYLANGUAGE   modify</li> <li>5. Spanish   amor</li> <li>6. Tagalog   mahal</li> </ol> | <p>like to modify?</p> <ol style="list-style-type: none"> <li>1. Language</li> <li>2. Translation</li> </ol> <p>Enter your choice: 2</p> <p>Enter translation: modify</p> <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <ol style="list-style-type: none"> <li>1. Chinese   ai</li> <li>2. English   love</li> <li>3. Hiligaynon   gugma</li> <li>4. MODIFYLANGUAGE   modify</li> <li>5. Spanish   amor</li> <li>6. Tagalog   mahal</li> </ol> | <p>like to modify?</p> <ol style="list-style-type: none"> <li>1. Language</li> <li>2. Translation</li> </ol> <p>Enter your choice: 2</p> <p>Enter translation: modify</p> <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <ol style="list-style-type: none"> <li>1. Chinese   ai</li> <li>2. English   love</li> <li>3. Hiligaynon   gugma</li> <li>4. MODIFYLANGUAGE   modify</li> <li>5. Spanish   amor</li> <li>6. Tagalog   mahal</li> </ol> |   |
|  | 5 | <p>Invalid pair number returns to the menu.</p> <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <ol style="list-style-type: none"> <li>1. Chinese   ai</li> <li>2. English   love</li> <li>3. Hiligaynon   gugma</li> <li>4. MODIFYLANGUAGE   modify</li> <li>5. Spanish   amor</li> <li>6. Tagalog   mahal</li> </ol> <p>Enter command (M =</p>  | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <ol style="list-style-type: none"> <li>1. Chinese   ai</li> <li>2. English   love</li> <li>3. Hiligaynon   gugma</li> <li>4. MODIFYLANGUAGE   modify</li> <li>5. Spanish   amor</li> <li>6. Tagalog   mahal</li> </ol> <p>Enter command (M =</p>   | <pre>===== =====</pre> <p>Language   Translation</p> <pre>----- -----</pre> <ol style="list-style-type: none"> <li>1. Chinese   ai</li> <li>2. English   love</li> <li>3. Hiligaynon   gugma</li> <li>4. MODIFYLANGUAGE   modify</li> <li>5. Spanish   amor</li> </ol>   | P |

|   |  |  |   |   |   |   |
|---|--|--|---|---|---|---|
|   |  |  | Modify, N = Next, P = Previous, X = Exit): M<br><br>Enter the pair number you want to modify (1 to 6): 9<br>Invalid pair number.  | Modify, N = Next, P = Previous, X = Exit): M<br><br>Enter the pair number you want to modify (1 to 6): 9<br>Invalid pair number.  | 6. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): M<br><br>Enter the pair number you want to modify (1 to 6): 9<br>Invalid pair number.   |   |
| 6 | The user presses 'N' to go to the next entry |  | =====<br>=====<br>Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love<br>3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   modify<br>5. Spanish   amor<br>6. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): N<br><br>=====<br>=====<br>Language   Translation<br>----- -----<br>1. Cebuano   mahal<br>2. Chinese   gui<br>3. English   expensive<br>4. Kapampangan   mal | =====<br>=====<br>Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love<br>3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   modify<br>5. Spanish   amor<br>6. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): N<br><br>=====<br>=====<br>Language   Translation<br>----- -----<br>1. Cebuano   mahal<br>2. Chinese   gui<br>3. English   expensive | =====<br>=====<br>Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love<br>3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   modify<br>5. Spanish   amor<br>6. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): N<br><br>=====<br>=====<br>Language   Translation<br>----- ----- | P |

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|   |   |  | 5. Tagalog   mahal  | 4. Kapampangan   mal<br>5. Tagalog   mahal  | 1. Cebuano   mahal<br>2. Chinese   gui<br>3. English   expensive<br>4. Kapampangan   mal<br>5. Tagalog   mahal  |   |
| 7 | The user presses 'P' to go to the previous entry. |  | =====<br>=====<br>Language   Translation<br>----- -----<br>1. Cebuano   mahal<br>2. Chinese   gui<br>3. English   expensive<br>4. Kapampangan   mal<br>5. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): P<br><br>=====<br>=====<br>Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love<br>3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   modify<br>5. Spanish   amor<br>6. Tagalog   mahal | =====<br>=====<br>Language   Translation<br>----- -----<br>1. Cebuano   mahal<br>2. Chinese   gui<br>3. English   expensive<br>4. Kapampangan   mal<br>5. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): P<br><br>=====<br>=====<br>Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love<br>3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   modify<br>5. Spanish   amor | =====<br>=====<br>Language   Translation<br>----- -----<br>1. Cebuano   mahal<br>2. Chinese   gui<br>3. English   expensive<br>4. Kapampangan   mal<br>5. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): P<br><br>=====<br>=====<br>Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love | P |

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|   |   |   |   | 6. Tagalog   mahal  | 3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   modify<br>5. Spanish   amor<br>6. Tagalog   mahal |  |
| 8 | The user presses 'X' to exit from the search word page. | Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love<br>3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   modify<br>5. Spanish   amor<br>6. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): X<br>===== | Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love<br>3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   modify<br>5. Spanish   amor<br>6. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): X<br>===== | Language   Translation<br>----- -----<br>1. Chinese   ai<br>2. English   love<br>3. Hiligaynon   gugma<br>4. MODIFYLANGUAGE   modify<br>5. Spanish   amor<br>6. Tagalog   mahal<br><br>Enter command (M = Modify, N = Next, P = Previous, X = Exit): X<br>===== | P  |  |

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|            |   |   |   |   | 4. Delete Entry   |   |
| manageData | 1 | The menu for manage data  | <pre>==Manage Data== 1. Add Entry 2. Add Translations 3. Modify Entry 4. Delete Entry 5. Delete Translation 6. Display All Entries 7. Search Word 8. Search Translation 9. Export 10. Import 11. Exit</pre> Enter your choice:  | <pre>==Manage Data== 1. Add Entry 2. Add Translations 3. Modify Entry 4. Delete Entry 5. Delete Translation 6. Display All Entries 7. Search Word 8. Search Translation 9. Export 10. Import 11. Exit</pre> Enter your choice:  | <pre>==Manage Data== 1. Add Entry 2. Add Translations 3. Modify Entry 4. Delete Entry 5. Delete Translation 6. Display All Entries 7. Search Word 8. Search Translation 9. Export 10. Import 11. Exit</pre> Enter your choice:  | P |
|            | 2 | The user entered 11, the entries were cleared, and the program went back to the Main menu | <p>Number of Entries 2</p> <pre>==Manage Data== 1. Add Entry 2. Add Translations 3. Modify Entry 4. Delete Entry 5. Delete Translation 6. Display All Entries 7. Search Word 8. Search Translation 9. Export 10. Import 11. Exit</pre> <p>Enter your choice: 11</p> <pre>==Main Menu== 1. Manage Data 2. Language Tools 3. Exit</pre> | <p>Number of Entries 2</p> <pre>==Manage Data== 1. Add Entry 2. Add Translations 3. Modify Entry 4. Delete Entry 5. Delete Translation 6. Display All Entries 7. Search Word 8. Search Translation 9. Export 10. Import 11. Exit</pre> <p>Enter your choice: 11</p> <pre>==Main Menu== 1. Manage Data 2. Language Tools 3. Exit</pre> | <p>Number of Entries 2</p> <pre>==Manage Data== 1. Add Entry 2. Add Translations 3. Modify Entry 4. Delete Entry 5. Delete Translation 6. Display All Entries 7. Search Word 8. Search Translation 9. Export 10. Import 11. Exit</pre> <p>Enter your choice: 11</p> <pre>==Main Menu== 1. Manage Data 2. Language Tools 3. Exit</pre> | P |

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|                      |   |   | Enter your choice: 1<br><br>Number of Entries 0<br><b>==Manage Data==</b><br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit | Enter your choice: 1<br><br>Number of Entries 0<br><b>==Manage Data==</b><br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit | Enter your choice: 1<br><br>Number of Entries 0<br><b>==Manage Data==</b><br>1. Add Entry<br>2. Add Translations<br>3. Modify Entry<br>4. Delete Entry<br>5. Delete Translation<br>6. Display All Entries<br>7. Search Word<br>8. Search Translation<br>9. Export<br>10. Import<br>11. Exit |   |
| tokenize             | 1 | Removes the space, special characters, commas, exclamation points, and question marks from the words. | Enter the text to be translated: i love to eat food!<br>Enter the Language to be translated to: Tagalog<br>i mahal to eat food  | Enter the text to be translated: i love to eat food!<br>Enter the Language to be translated to: Tagalog<br>i mahal to eat food  | Enter the text to be translated: i love to eat food!<br>Enter the Language to be translated to: Tagalog<br>i mahal to eat food  | P |
| identifyMainLanguage | 1 | The user entered a sentence and showed the languages found and the main language of the sentence      | <b>==Language Tools==</b><br>1. Identify Main Language<br>2. Simple Translation<br>3. Exit<br>Enter your choice: 1<br>Enter a sentence or a phrase: mahal, expensive eh   | <b>==Language Tools==</b><br>1. Identify Main Language<br>2. Simple Translation<br>3. Exit<br>Enter your choice: 1<br>Enter a sentence or a phrase: mahal, expensive eh   | <b>==Language Tools==</b><br>1. Identify Main Language<br>2. Simple Translation<br>3. Exit<br>Enter your choice: 1<br>Enter a sentence or a phrase: mahal, expensive eh   | P |

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|                   |   |   | Languages found:<br>Tagalog: 1<br>Cebuano: 1<br>English: 1<br>Main language(s):<br>Tagalog Cebuano<br>English   | Languages found:<br>Tagalog: 1<br>Cebuano: 1<br>English: 1<br>Main language(s):<br>Tagalog Cebuano<br>English   | Languages found:<br>Tagalog: 1<br>Cebuano: 1<br>English: 1<br>Main language(s):<br>Tagalog Cebuano<br>English   |   |
| simpleTranslation | 1 | The user is asked for a source language, text to be translated, and language to be translated into. Showed the translated output. | Enter the source language: English<br>Enter the text to be translated: i love ccprog2<br>Enter the Language to be translated to: Tagalog<br>i mahal ccprog2 | Enter the source language: English<br>Enter the text to be translated: i love ccprog2<br>Enter the Language to be translated to: Tagalog<br>i mahal ccprog2 | Enter the source language: English<br>Enter the text to be translated: i love ccprog2<br>Enter the Language to be translated to: Tagalog<br>i mahal ccprog2 | P |
|                   | 2 | Ask the user if they want to translate another text, and answer 'Y'.  | Do you want to translate another text? Y/N<br>y<br>Enter the source language:   | Do you want to translate another text? Y/N<br>y<br>Enter the source language:   | Do you want to translate another text? Y/N<br>y<br>Enter the source language:   | P |
|                   | 3 | Ask the user if they want to translate another text, and answer 'N'. returns to the menu.   | Translate again? Y/N<br>N<br>=====  | Translate again? Y/N<br>N<br>=====  | Translate again? Y/N<br>N<br>=====  | P |

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| languageTools | 1 | The menu for language tools  | <p>Number of Entries 2<br/> <b>==Language Tools==</b><br/>           1. Identify Main Language<br/>           2. Simple Translation<br/>           3. Exit<br/>           Enter your choice:</p>   | <p>Number of Entries 2<br/> <b>==Language Tools==</b><br/>           1. Identify Main Language<br/>           2. Simple Translation<br/>           3. Exit<br/>           Enter your choice:</p>   | <p>Number of Entries 2<br/> <b>==Language Tools==</b><br/>           1. Identify Main Language<br/>           2. Simple Translation<br/>           3. Exit<br/>           Enter your choice:</p>   | P |
|               | 2 | The user entered 3, the entries were cleared, and the program went back to the Main menu | <p>Number of Entries 2<br/> <b>==Language Tools==</b><br/>           1. Identify Main Language<br/>           2. Simple Translation<br/>           3. Exit<br/>           Enter your choice: 3<br/> <b>==Main Menu==</b><br/>           1. Manage Data<br/>           2. Language Tools<br/>           3. Exit<br/>           Enter your choice: 1</p> | <p>Number of Entries 2<br/> <b>==Language Tools==</b><br/>           1. Identify Main Language<br/>           2. Simple Translation<br/>           3. Exit<br/>           Enter your choice: 3<br/> <b>==Main Menu==</b><br/>           1. Manage Data<br/>           2. Language Tools<br/>           3. Exit<br/>           Enter your choice: 1</p> | <p>Number of Entries 2<br/> <b>==Language Tools==</b><br/>           1. Identify Main Language<br/>           2. Simple Translation<br/>           3. Exit<br/>           Enter your choice: 3<br/> <b>==Main Menu==</b><br/>           1. Manage Data<br/>           2. Language Tools<br/>           3. Exit<br/>           Enter your choice: 1</p> | P |