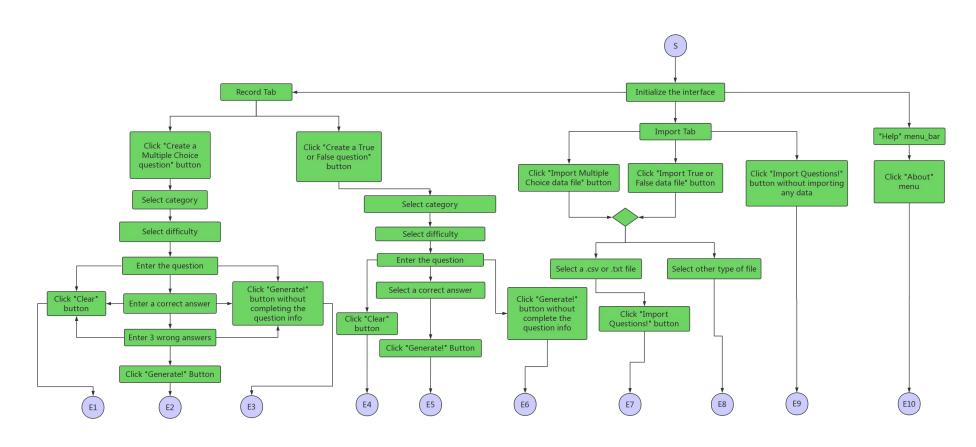
Team 8 - Portfolio B

Unit 1 - Add Question

Flow Control and Test Case

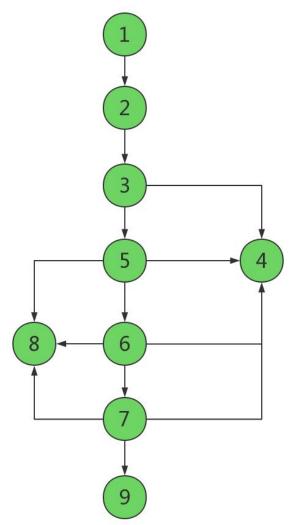
Author: Tian ZHANG

Fig. 1. Overview of flows for Unit 1



Flow 1: Record a Multiple Choice question manually

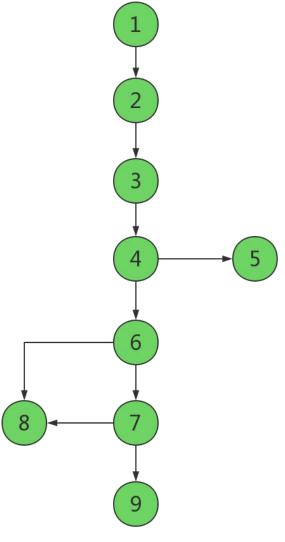
- 1. Initialize the interface
- 2. Select the category of the question
- 3. Select the difficulty of the question
- 4. Press "Generate!" button without completing the question info
- 5. Enter the question
- 6. Enter the correct answer
- 7. Enter 3 wrong answers
- 8. Press "Clear" button
- 9. Press "Generate!" button



| Test Case Id: Add Question 01 | | | |
|--|---|--|-----------|
| Test Purpose: COMSC Engagement team can record a multiple choice question manually | | | |
| Environm | nent: Written in python 3.7.4 under PyCh | arm 2019.3.3 | |
| Precondi | tions: COMSC Engagement team is logg | ed into the system | |
| Test Case | e Steps: | | |
| Step No | Procedure | Response | Pass/Fail |
| 1 | Initialize the interface | Interface runs successfully | Р |
| 2 | Select the category of the question | Can choose different category | Р |
| 3 | Select the difficulty level of the question | Can choose different difficulty | Р |
| 4 | Press "Generate!" button without completing the question info | Error message box popping up (Question/ Correct Answer/ Wrong answers cannot be empty, please try again.) | Р |
| 5 | Enter the question | Question input shows correctly | Р |
| 6 | Enter the correct answer | Correct answer input shows correctly | Р |
| 7 | Enter 3 wrong answers | Wrong answers input shows correctly | Р |
| 8 | Press "Clear" button | All input deleted | Р |
| 9 | Press "Generate!" button | Message box popping up showing the success hint; All input clear; Generates "mc_question.db" file with the question recorded correctly | Р |
| | | | |
| Comments: | | | |
| Related Tests: | | | |
| Author: Tian ZHANG | | Checker: | |
| | | | |

Flow 2: Record a True or False question manually

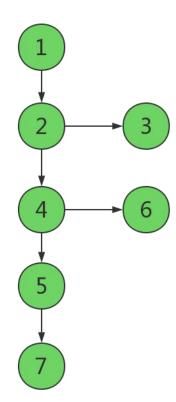
- 1. Initialize the interface
- 2. Click "Create a True or False question" button
- 3. Select the category of the question
- 4. Select the difficulty of the question
- 5. Press "Generate!" button without completing the question info
- 6. Enter the question
- 7. Select the correct answer
- 8. Press "Clear" button
- 9. Press "Generate!" button



| Environment: W Preconditions: Test Case Steps Step No Proce 1 Initiali 2 Click buttor 3 Select 4 Select 5 Press complete 6 Enter 7 Select check 8 Press | Vritten in python 3.7.4 under PyCh COMSC Engagement team is logg s: edure ze the interface "Create a True or False question" the category of the question the difficulty level of the question | | |
|--|---|---|--------|
| Preconditions: Test Case Steps Step No Proce 1 Initiali 2 Click buttor 3 Select 4 Select 5 Press complete 6 Enter 7 Select check 8 Press | comsc Engagement team is logges: dure ze the interface "Create a True or False question" t the category of the question t the difficulty level of the question "Generate!" button without | Response Interface runs successfully The interface changes to TF question recording interface Can choose different category Can choose different difficulty | P P |
| Test Case Steps Step No Proce 1 Initiali 2 Click buttor 3 Select 4 Select 5 Press comp 6 Enter 7 Select 8 Press | s: dure ze the interface "Create a True or False question" t the category of the question t the difficulty level of the question "Generate!" button without | Response Interface runs successfully The interface changes to TF question recording interface Can choose different category Can choose different difficulty | P P |
| Step No Proce 1 Initiali 2 Click buttor 3 Select 4 Select 5 Press comp 6 Enter 7 Select check 8 Press | dure ze the interface "Create a True or False question" t the category of the question t the difficulty level of the question "Generate!" button without | Interface runs successfully The interface changes to TF question recording interface Can choose different category Can choose different difficulty | P P |
| 1 Initiali 2 Click buttor 3 Select 4 Select 5 Press complete 6 Enter 7 Select check 8 Press | "Create a True or False question" It the category of the question It the difficulty level of the question It the difficulty level of the question | Interface runs successfully The interface changes to TF question recording interface Can choose different category Can choose different difficulty | P P |
| 2 Click buttor 3 Select 4 Select 5 Press comp 6 Enter 7 Select 6 Press | "Create a True or False question" It the category of the question It the difficulty level of the question It "Generate!" button without | The interface changes to TF question recording interface Can choose different category Can choose different difficulty | P P |
| buttor Select Select Press comp Enter Select Press comp Figure 1 Select check Press | t the category of the question t the difficulty level of the question "Generate!" button without | question recording interface Can choose different category Can choose different difficulty | Р |
| 4 Select 5 Press comp 6 Enter 7 Select check 8 Press | t the difficulty level of the question "Generate!" button without | Can choose different difficulty | • |
| 5 Press comp 6 Enter 7 Selection check 8 Press | "Generate!" button without | | Р |
| 5 complete from 5 complete fro | | Error message box popping up | |
| 7 Select check 8 Press | | (Question cannot be empty, please try again.) | Р |
| 7 check 8 Press | the question | Question input shows correctly | Р |
| | t the answer with the radio | Can select either True or False correctly, one at a time | Р |
| 9 Press | "Clear" button | All input deleted | Р |
| | "Generate!" button | Message box popping up showing the success hint; All input clear; Generates "tf_question.db" file with the question recorded correctly | Р |
| Comments: | | | |
| Related Tests: | , | | |
| Author: Tian ZHANG | | Checker: | |

Flow 3: Import Multiple Choice questions from a .csv file

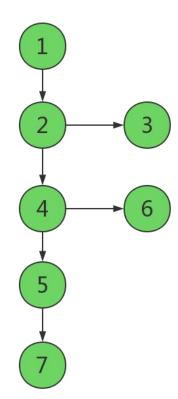
- 1. Initialize the interface
- 2. Switch to "Import Tab"
- 3. Click "Import Questions" button without importing anything
- 4. Click "Import Multiple Choice data file" button
- 5. Select file "template_mc_csv.csv"
- 6. Select other type of file
- 7. Click "Import Questions" button



| Test Case Id: Add Question 03 | | | |
|---|--|---|-----------|
| Test Purpose: COMSC Engagement team can import multiple choice questions from a .csv file | | | |
| Environn | nent: Written in python 3.7.4 under PyCh | arm 2019.3.3 | |
| Precondi | tions: COMSC Engagement team is logg | ed into the system | |
| Test Case | e Steps: | | |
| Step No | Procedure | Response | Pass/Fail |
| 1 | Initialize the interface | Interface runs successfully | Р |
| 2 | Switch to "Import Tab" | The interface changes to import question tab's interface | Р |
| 3 | Click "Import Questions" button without importing anything | Error message box popping up (No data imported, please try again) | Р |
| 4 | Click "Import Multiple Choice data file" button | A file browser popping up | Р |
| 5 | Select file "template_mc_csv.csv" | File selected successfully, the full path of the file shows in the label below | Р |
| 6 | Select other type of file | Error message box popping up (File type not supported, please try again); No path shows below; File not selected | Р |
| 7 | Click "Import Questions" button | Questions imported into "mc_question.db" correctly; Message box popping up giving a success hint; File path clear | |
| | | | |
| | | | |
| Comments: | | | |
| Related Tests: | | | |
| Author: Tian ZHANG Checker: | | | |
| <u>'</u> | | | |

Flow 4: Import Multiple Choice questions from a .txt file

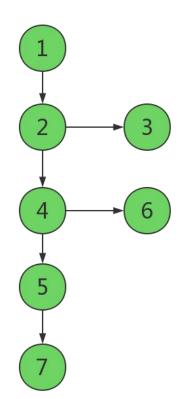
- 1. Initialize the interface
- 2. Switch to "Import Tab"
- 3. Click "Import Questions" button without importing anything
- 4. Click "Import Multiple Choice data file" button
- 5. Select file "template_mc_txt.txt"
- 6. Select other type of file
- 7. Click "Import Questions" button



| Test Case Id: Add Question 04 | | | | | |
|-------------------------------|---|---|-------------|--|--|
| Test Pur | pose: COMSC Engagement team can imp | oort multiple choice questions from | a .txt file | | |
| Environn | Environment: Written in python 3.7.4 under PyCharm 2019.3.3 Preconditions: COMSC Engagement team is logged into the system | | | | |
| Precondi | | | | | |
| Test Cas | e Steps: | | | | |
| Step No | Procedure | Response | Pass/Fail | | |
| 1 | Initialize the interface | Interface runs successfully | Р | | |
| 2 | Switch to "Import Tab" | The interface changes to import question tab's interface | Р | | |
| 3 | Click "Import Questions" button without importing anything | Error message box popping up (No data imported, please try again) | Р | | |
| 4 | Click "Import Multiple Choice data file" button | A file browser popping up | Р | | |
| 5 | Select file "template_mc_txt.txt" | File selected successfully, the full path of the file shows in the label below | Р | | |
| 6 | Select other type of file | Error message box popping up (File type not supported, please try again); No path shows below; File not selected | Р | | |
| 7 | Click "Import Questions" button | Questions imported into "mc_question.db" correctly; Message box popping up giving a success hint; File path clear | Р | | |
| Comments: | | | | | |
| | | | | | |
| Related | Tests: | | | | |
| Author: | Tian ZHANG (| Checker: | | | |
| <u> </u> | | | | | |

Flow 5: Import True or False questions from a .csv file

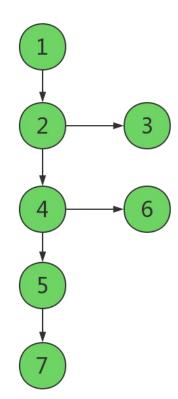
- 1. Initialize the interface
- 2. Switch to "Import Tab"
- 3. Click "Import Questions" button without importing anything
- 4. Click "Import True or False data file" button
- 5. Select file "template_tf_csv.csv"
- 6. Select other type of file
- 7. Click "Import Questions" button



| Test Case Id: Add Question 05 | | | | |
|---|--|---|-----------|--|
| Test Purpose: COMSC Engagement team can import true or false questions from a .csv file | | | | |
| Environn | nent: Written in python 3.7.4 under PyCh | arm 2019.3.3 | | |
| Precondi | itions: COMSC Engagement team is logg | ged into the system | | |
| Test Cas | e Steps: | | | |
| Step No | Procedure | Response | Pass/Fail | |
| 1 | Initialize the interface | Interface runs successfully | Р | |
| 2 | Switch to "Import Tab" | The interface changes to import question tab's interface | Р | |
| 3 | Click "Import Questions" button without importing anything | Error message box popping up (No data imported, please try again) | Р | |
| 4 | Click "Import True or False data file" button | A file browser popping up | Р | |
| 5 | Select file "template_tf_csv.csv" | File selected successfully, the full path of the file shows in the label below | Р | |
| 6 | Select other type of file | Error message box popping up (File type not supported, please try again); No path shows below; File not selected | Р | |
| 7 | Click "Import Questions" button | Questions imported into "tf_question.db" correctly; Message box popping up giving a success hint; File path clear | Р | |
| | | | | |
| | | | | |
| Comments: | | | | |
| Related | Tests: | | | |
| Author: | Tian ZHANG | Checker: | | |
| | | | | |

Flow 6: Import True or False questions from a .txt file

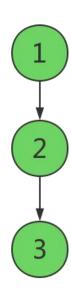
- 1. Initialize the interface
- 2. Switch to "Import Tab"
- 3. Click "Import Questions" button without importing anything
- 4. Click "Import True or False data file" button
- 5. Select file "template_tf_txt.txt"
- 6. Select other type of file
- 7. Click "Import Questions" button



| Test Cas | e ld: Add Question 06 | | | |
|------------------|--|---|-----------|--|
| Test Purp | Test Purpose: COMSC Engagement team can import true or false questions from a .txt file Environment: Written in python 3.7.4 under PyCharm 2019.3.3 | | | |
| Environn | | | | |
| Precondi | itions: COMSC Engagement team is logg | ed into the system | | |
| Test Case Steps: | | | | |
| Step No | Procedure | Response | Pass/Fail | |
| 1 | Initialize the interface | Interface runs successfully | Р | |
| 2 | Switch to "Import Tab" | The interface changes to import question tab's interface | Р | |
| 3 | Click "Import Questions" button without importing anything | Error message box popping up (No data imported, please try again) | Р | |
| 4 | Click "Import True or False data file" button | A file browser popping up | Р | |
| 5 | Select file "template_tf_txt.txt" | File selected successfully, the full path of the file shows in the label below | Р | |
| 6 | Select other type of file | Error message box popping up (File type not supported, please try again); No path shows below; File not selected | Р | |
| 7 | Click "Import Questions" button | Questions imported into "tf_question.db" correctly; Message box popping up giving a success hint; File path clear | Р | |
| | | | | |
| Commen | lts: | | | |
| Related 1 | Tests: | | | |
| Author: 1 | Tian ZHANG (| Checker: | | |

Flow 7: Check author information

- 1. Initialize the interface
- 2. Click "Help" menu bar
- 3. Click "About" menu



| Test Case Id: Add Question 07 | | | | |
|-------------------------------|---|---|-----------|--|
| Test Purp | oose: COMSC Engagement team can cl | neck the author's information | | |
| Environn | nent: Written in python 3.7.4 under PyC | harm 2019.3.3 | | |
| Precondi | tions: COMSC Engagement team is log | ged into the system | | |
| Test Cas | Test Case Steps: | | | |
| Step No | Procedure | Response | Pass/Fail | |
| 1 | Initialize the interface | Interface runs successfully | Р | |
| 2 | Click "Help" menu bar | A menu shows up | Р | |
| 3 | Click "About" menu | A message box with author info popping up | Р | |
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| Comments: | | | | |
| Related Tests: | | | | |
| Author: Tian ZHANG Checker: | | | | |
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