Team 8 - Portfolio B

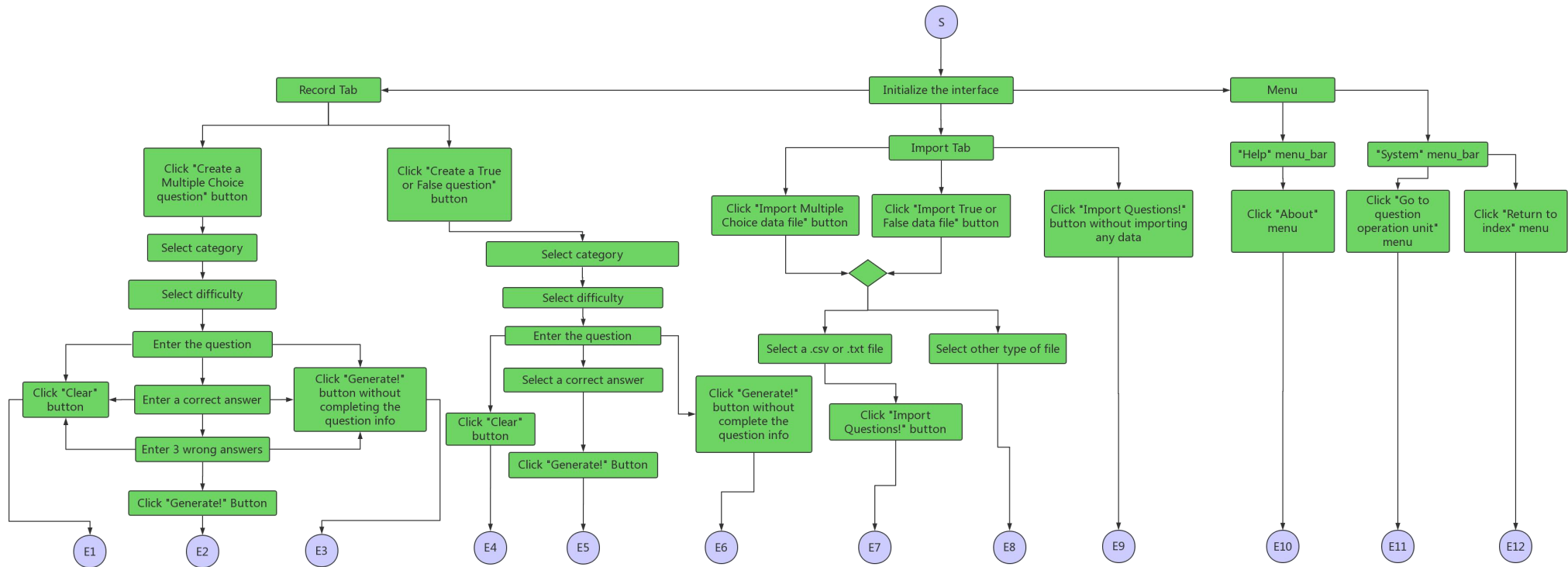# Unit 1 - Add Question

Flow Control and Test Case

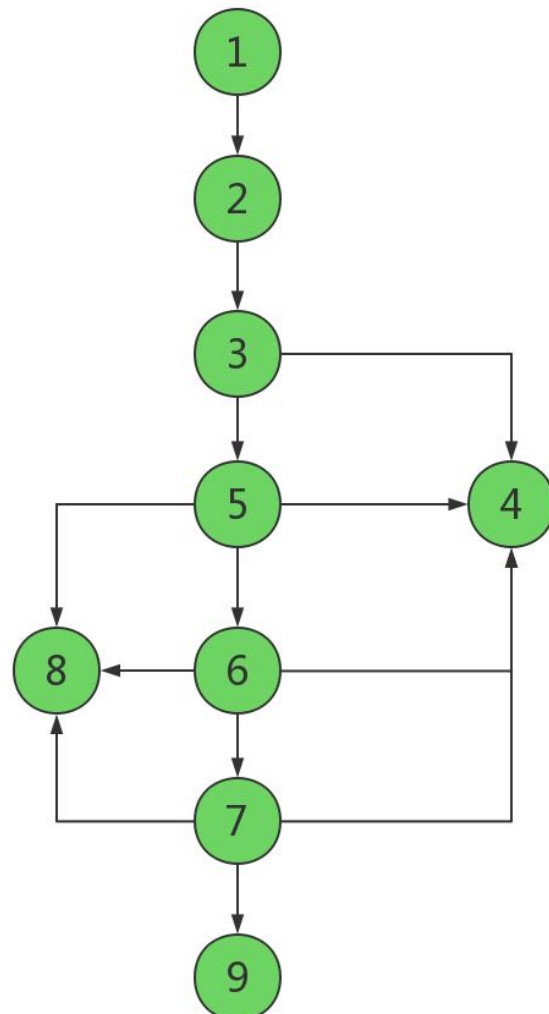Author: Tian ZHANG

Overview of flows for Unit 1

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                                                      │
                                                      ▼
  ┌──────────────┐                          ┌──────────────────────┐                    ┌──────────┐
  │  Record Tab  │◄─────────────────────────│ Initialize the interface│                  │   Menu   │
  └──────────────┘                          └──────────────────────┘                    └──────────┘
        │                                              │                                   │        │
        │                                              ▼                                   ▼        ▼
  ┌─────────────┐      ┌──────────────┐        ┌──────────────┐              ┌──────────────────┐  ┌──────────────────┐
  │ Click "Create a│   │ Click "Create a True│  │  Import Tab  │              │ "Help" menu_bar  │  │ "System" menu_bar│
  │ Multiple Choice│   │ or False question"  │  └──────────────┘              └──────────────────┘  └──────────────────┘
  │ question" button│  │ button              │      │                               │                    │          │
  └─────────────┘      └──────────────┘            ...
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Click "Create a Multiple Choice question" button

Click "Create a True or False question" button

Select category

Select category

Select difficulty

Select difficulty

Enter the question

Enter the question

Click "Clear" button

Enter a correct answer

Click "Generate!" button without completing the question info

Select a correct answer

Enter 3 wrong answers

Click "Clear" button

Click "Generate!" Button

Click "Generate!" Button

Click "Import Multiple Choice data file" button

Click "Import True or False data file" button

Click "Import Questions!" button without importing any data

Click "About" menu

Click "Go to question operation unit" menu

Click "Return to index" menu

Select a .csv or .txt file

Select other type of file

Click "Generate!" button without complete the question info

Click "Import Questions!" button

E1 E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12

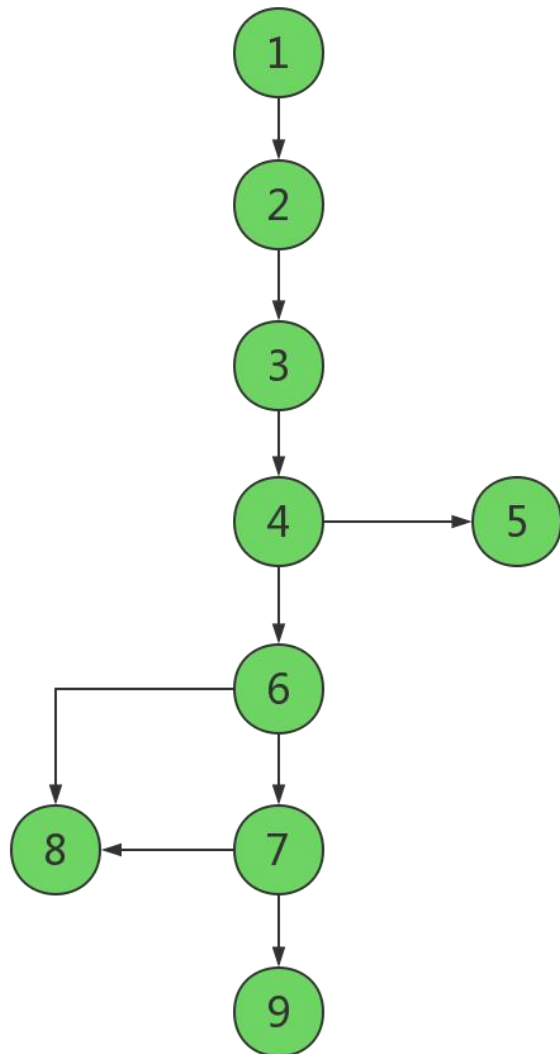# Flow 1: Record a Multiple Choice question manually

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			
Environment: Written in python 3.7.4 under PyCharm 2019.3.3			
Preconditions: COMSC Engagement team is logged into the system			
Test Case Steps:			
Step No	Procedure	Response	Pass/Fail
1	Initialize the interface	Interface runs successfully	P
2	Select the category of the question	Can choose different category	P
3	Select the difficulty level of the question	Can choose different difficulty	P
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.)	P
5	Enter the question	Question input shows correctly	P
6	Enter the correct answer	Correct answer input shows correctly	P
7	Enter 3 wrong answers	Wrong answers input shows correctly	P
8	Press "Clear" button	All input deleted	P
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	P
Comments:			
Related Tests:			
Author: Tian ZHANG		**Checker:**	

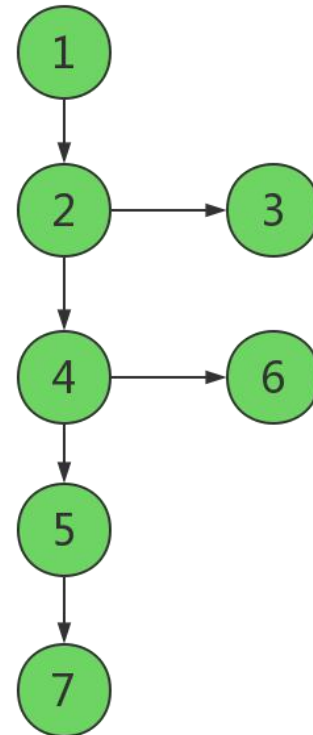# Flow 2: Record a True or False question manually

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

Test Case Id: Add Question 02			
Test Purpose: COMSC Engagement team can record a true or false question manually			
Environment: Written in python 3.7.4 under PyCharm 2019.3.3			
Preconditions: COMSC Engagement team is logged into the system			
Test Case Steps:			
Step No	Procedure	Response	Pass/Fail
1	Initialize the interface	Interface runs successfully	P
2	Click "Create a True or False question" button	The interface changes to TF question recording interface	P
3	Select the category of the question	Can choose different category	P
4	Select the difficulty level of the question	Can choose different difficulty	P
5	Press "Generate!" button without completing the question info	Error message box popping up (Question cannot be empty, please try again.)	P
6	Enter the question	Question input shows correctly	P
7	Select the answer with the radio checkbox	Can select either True or False correctly, one at a time	P
8	Press "Clear" button	All input deleted	P
9	Press "Generate!" button	Message box popping up showing the success hint; All input clear; Generates "tf_question.db" file with the question recorded correctly	P
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"

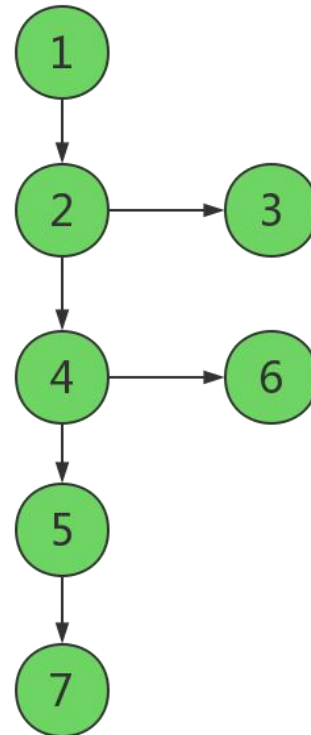6. Select other type of file

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			
Environment: Written in python 3.7.4 under PyCharm 2019.3.3			
Preconditions: COMSC Engagement team is logged into the system			
Test Case Steps:			
Step No	Procedure	Response	Pass/Fail
1	Initialize the interface	Interface runs successfully	P
2	Switch to "Import Tab"	The interface changes to import question tab's interface	P
3	Click "Import Questions" button without importing anything	Error message box popping up (No data imported, please try again)	P
4	Click "Import Multiple Choice data file" button	A file browser popping up	P
5	Select file "template_mc_csv.csv"	File selected successfully, the full path of the file shows in the label below	P
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	P
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:**	

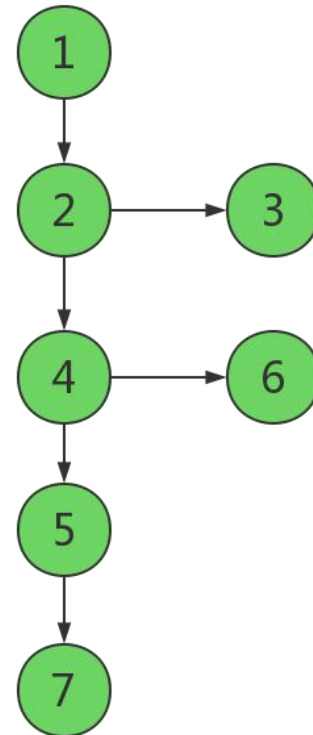# Flow 4: Import Multiple Choice questions from a .txt file

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 Purpose: COMSC Engagement team can import multiple choice questions from a .txt file			
Environment: Written in python 3.7.4 under PyCharm 2019.3.3			
Preconditions: COMSC Engagement team is logged into the system			
Test Case Steps:			
Step No	Procedure	Response	Pass/Fail
1	Initialize the interface	Interface runs successfully	P
2	Switch to "Import Tab"	The interface changes to import question tab's interface	P
3	Click "Import Questions" button without importing anything	Error message box popping up (No data imported, please try again)	P
4	Click "Import Multiple Choice data file" button	A file browser popping up	P
5	Select file "template_mc_txt.txt"	File selected successfully, the full path of the file shows in the label below	P
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	P
7	Click "Import Questions" button	Questions imported into "mc_question.db" correctly; Message box popping up giving a success hint; File path clear	P
Comments:			
Related Tests:			
Author: Tian ZHANG		**Checker:**	

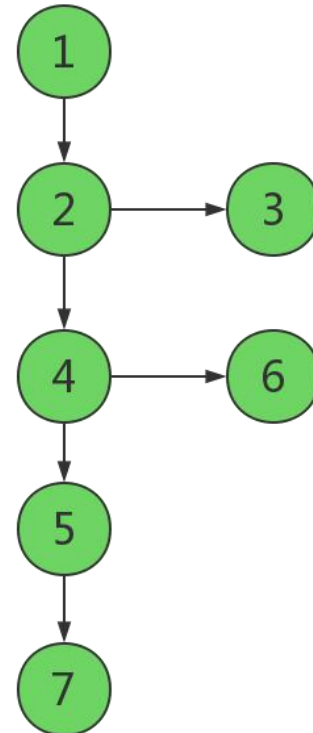# Flow 5: Import True or False questions from a .csv file

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			
Environment: Written in python 3.7.4 under PyCharm 2019.3.3			
Preconditions: COMSC Engagement team is logged into the system			
Test Case Steps:			
Step No	Procedure	Response	Pass/Fail
1	Initialize the interface	Interface runs successfully	P
2	Switch to "Import Tab"	The interface changes to import question tab's interface	P
3	Click "Import Questions" button without importing anything	Error message box popping up (No data imported, please try again)	P
4	Click "Import True or False data file" button	A file browser popping up	P
5	Select file "template_tf_csv.csv"	File selected successfully, the full path of the file shows in the label below	P
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	P
7	Click "Import Questions" button	Questions imported into "tf_question.db" correctly; Message box popping up giving a success hint; File path clear	P
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 Case Id: Add Question 06			
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			
Preconditions: COMSC Engagement team is logged into the system			
Test Case Steps:			
Step No	Procedure	Response	Pass/Fail
1	Initialize the interface	Interface runs successfully	P
2	Switch to "Import Tab"	The interface changes to import question tab's interface	P
3	Click "Import Questions" button without importing anything	Error message box popping up (No data imported, please try again)	P
4	Click "Import True or False data file" button	A file browser popping up	P
5	Select file "template_tf_txt.txt"	File selected successfully, the full path of the file shows in the label below	P
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	P
7	Click "Import Questions" button	Questions imported into "tf_question.db" correctly; Message box popping up giving a success hint; File path clear	P
Comments:			
Related Tests:			
Author: Tian ZHANG		**Checker:**	

Flow 7: Check author information

1. Initialize the interface

2. Click "Help" menu bar

3. Click "About" menu

1

2

3

Test Case Id: Add Question 07			
Test Purpose: COMSC Engagement team can check the author's information			
Environment: Written in python 3.7.4 under PyCharm 2019.3.3			
Preconditions: COMSC Engagement team is logged into the system			
Test Case Steps:			
Step No	Procedure	Response	Pass/Fail
1	Initialize the interface	Interface runs successfully	P
2	Click "Help" menu bar	A menu shows up	P
3	Click "About" menu	A message box with author info popping up	P
Comments:			
Related Tests:			
Author: Tian ZHANG		**Checker:**	

Flow 8: Move to/ from other units

1. Initialize the interface of "last_GUI_sample.py

2. Click "goto next" button

3. Click "System" menu

4. Click "go to question operation Unit" menu

5. (Entered "next_GUI_sample.py") Click "goto last" button

6. (Returned to "add_question.py") Click "System" menu

7. Click "Return to index" menu

Test Case Id: Add Question 08				
Test Purpose: COMSC Engagement team can move to/ from other units				
Environment: Written in python 3.7.4 under PyCharm 2019.3.3				
Preconditions: COMSC Engagement team is logged into the system				
Test Case Steps:				
Step No	Procedure		Response	Pass/Fail
1	Initialize the interface of "last_GUI_sample.py"		Interface runs successfully	P
2	Click "goto next" button		Current GUI exit, GUI of Unit1 shows up	P
3	Click "System" menu		List of System menu displayed	P
4	Click "go to question operation Unit" menu		Current GUI exit, GUI of "next_GUI_sample.py" shows up	P
5	(Entered "next_GUI_sample.py") Click "goto last" button		Current GUI exit, GUI of Unit1 shows up	P
6	(Returned to "add_question.py") Click "System" menu		List of System menu displayed	P
7	Click "Return to index" menu		Current GUI exit, GUI of "last_GUI_sample.py" shows up	P
Comments:				
Related Tests:				
Author: Tian ZHANG		**Checker:**		