

Software Design Document

for
TalkBox

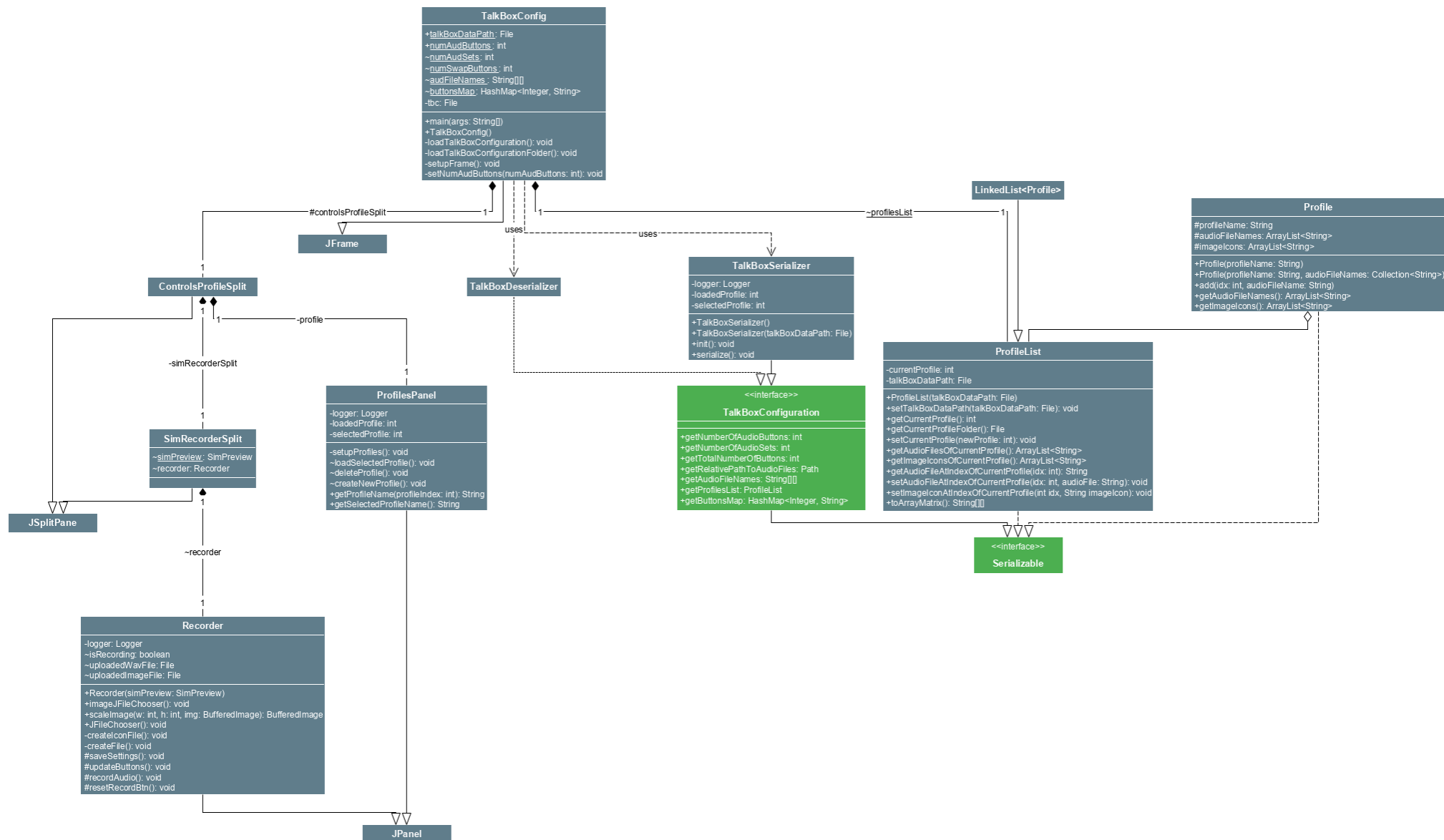
Group 15

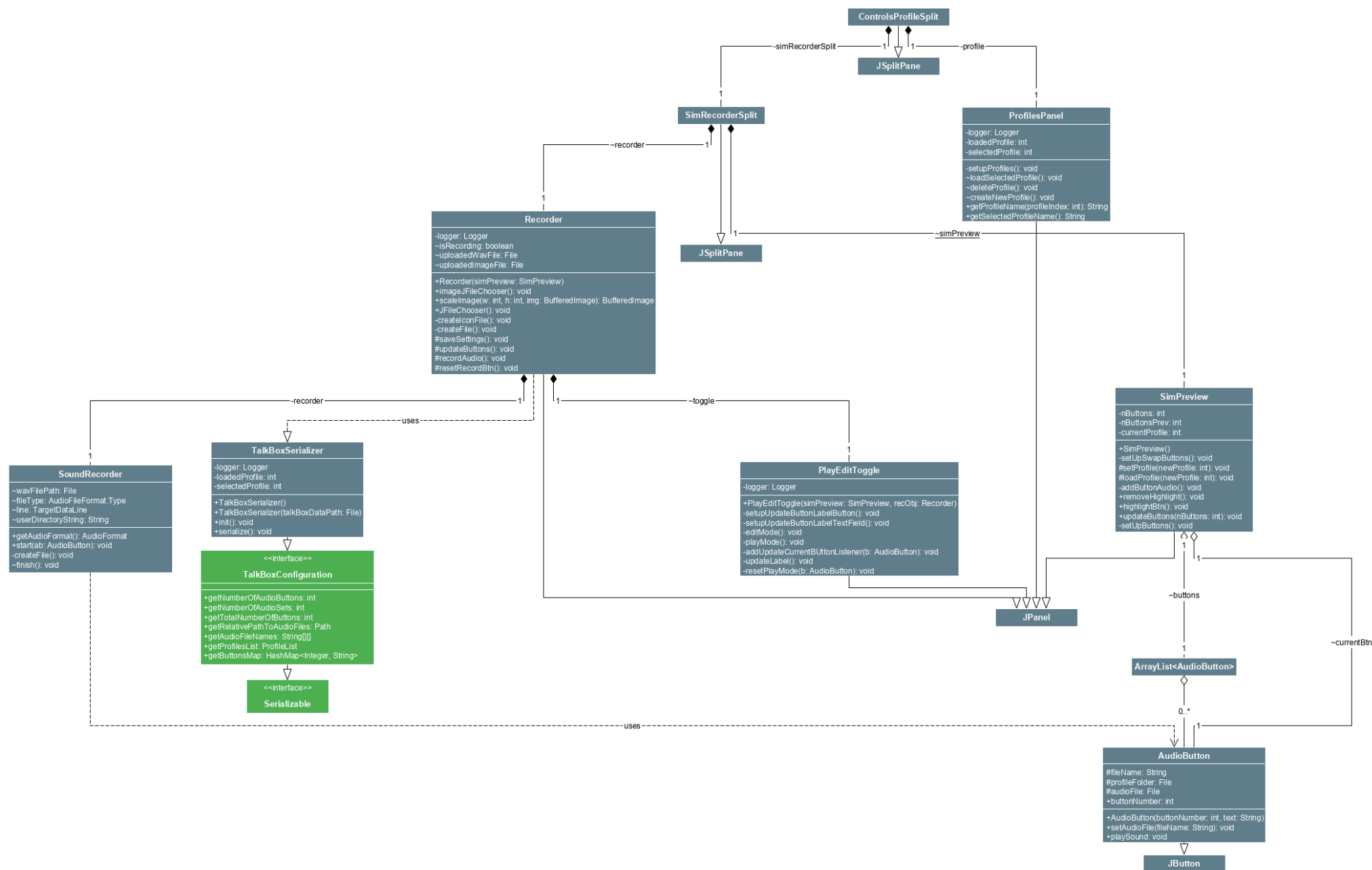
York University
EECS2311 Software Development Project

24. March 2019

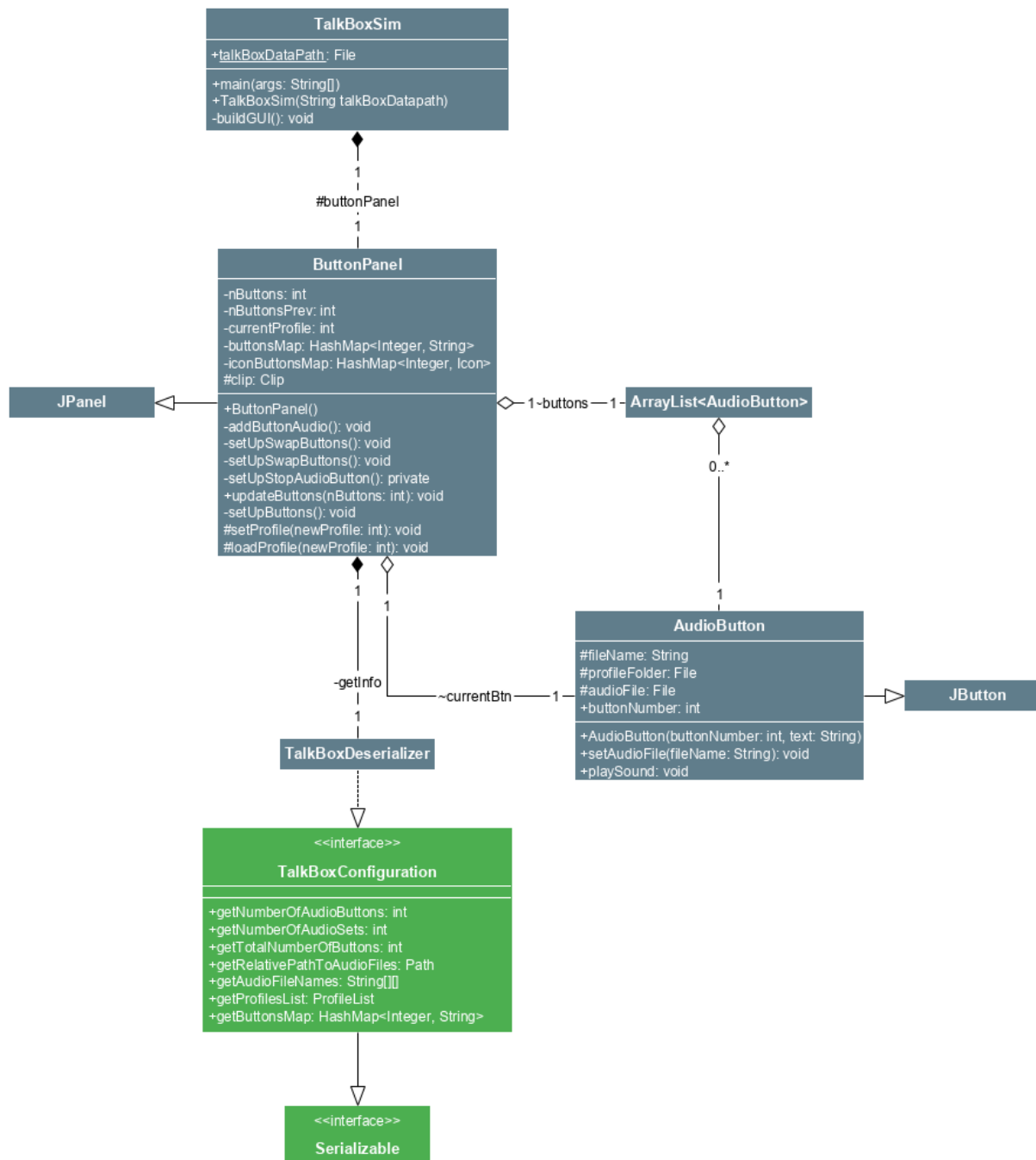
Contents

| | |
|---|----|
| Class Diagrams | 2 |
| TalkBoxConfig High Level | 2 |
| TalkBoxConfig Low Level..... | 3 |
| TalkBoxSim | 4 |
| TBCLog | 5 |
| Sequence Diagrams | 6 |
| TalkBox Configuration..... | 6 |
| Record Audio: | 6 |
| Playback Audio from a Button: | 7 |
| Update Number of Buttons: | 8 |
| Update Button Label:..... | 9 |
| Upload Audio to Buttons: | 10 |
| Upload Images to Buttons: | 11 |
| Swap Profiles:..... | 12 |
| Save Settings / Serialize Changes: | 13 |
| Launch TalkBox Simulator Application: | 14 |
| Load/Delete/New Profile:..... | 15 |
| Next/Previous Log:..... | 16 |
| TalkBox Simulator | 17 |
| Playback Audio from a Button: | 17 |
| Swap Profiles:..... | 18 |
| TalkBox Configuration Log (TBCLog)..... | 19 |
| Next/Previous/Load Log: | 19 |





TalkBoxSim



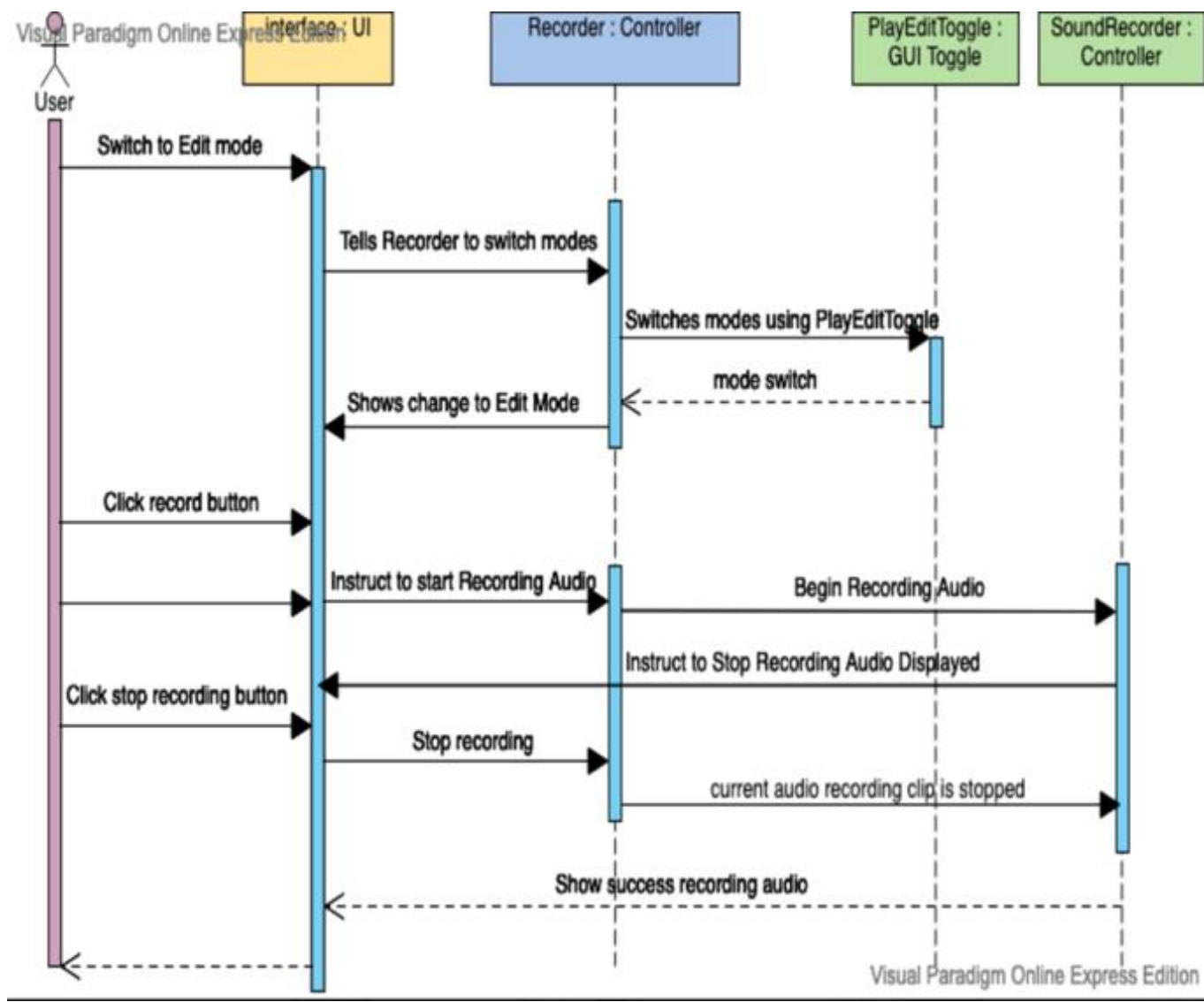
TBCLog

| TBCLog |
|--|
| <div>#logFiles: File[] #currentLogFile: int #talkBoxDataPath: String #fileChooser: JFileChooser</div> |
| <div>+main(args: String[]): void TBCLog(talkBoxDataPath: String) ~loadLogFile(loadedLog: File): void ~readCurrentLoge(target: String): void ~readLogs(): void -filterLog(e: DocumentEvent): void ~searchLog(regex: String): void</div> |

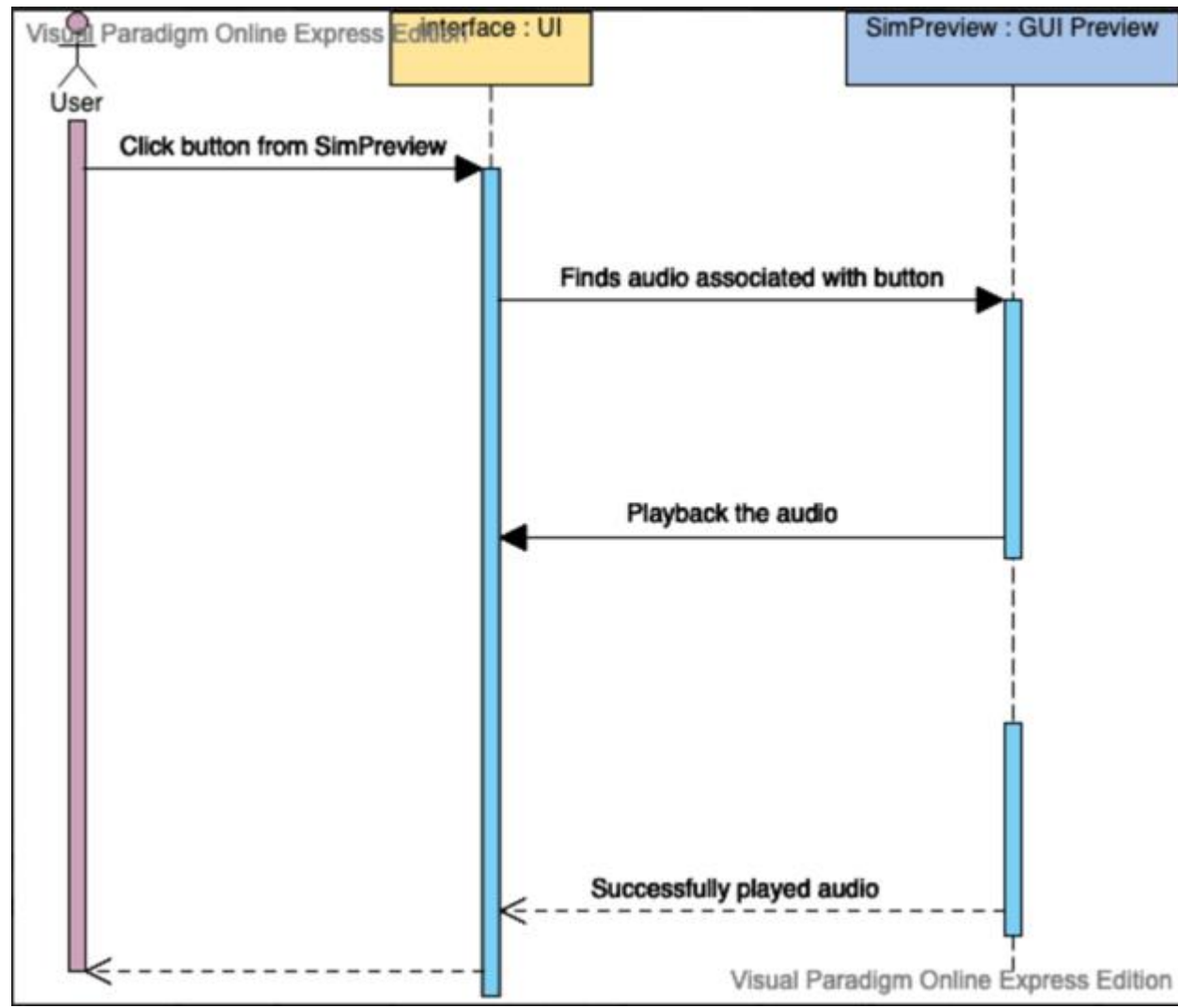
Sequence Diagrams

TalkBox Configuration

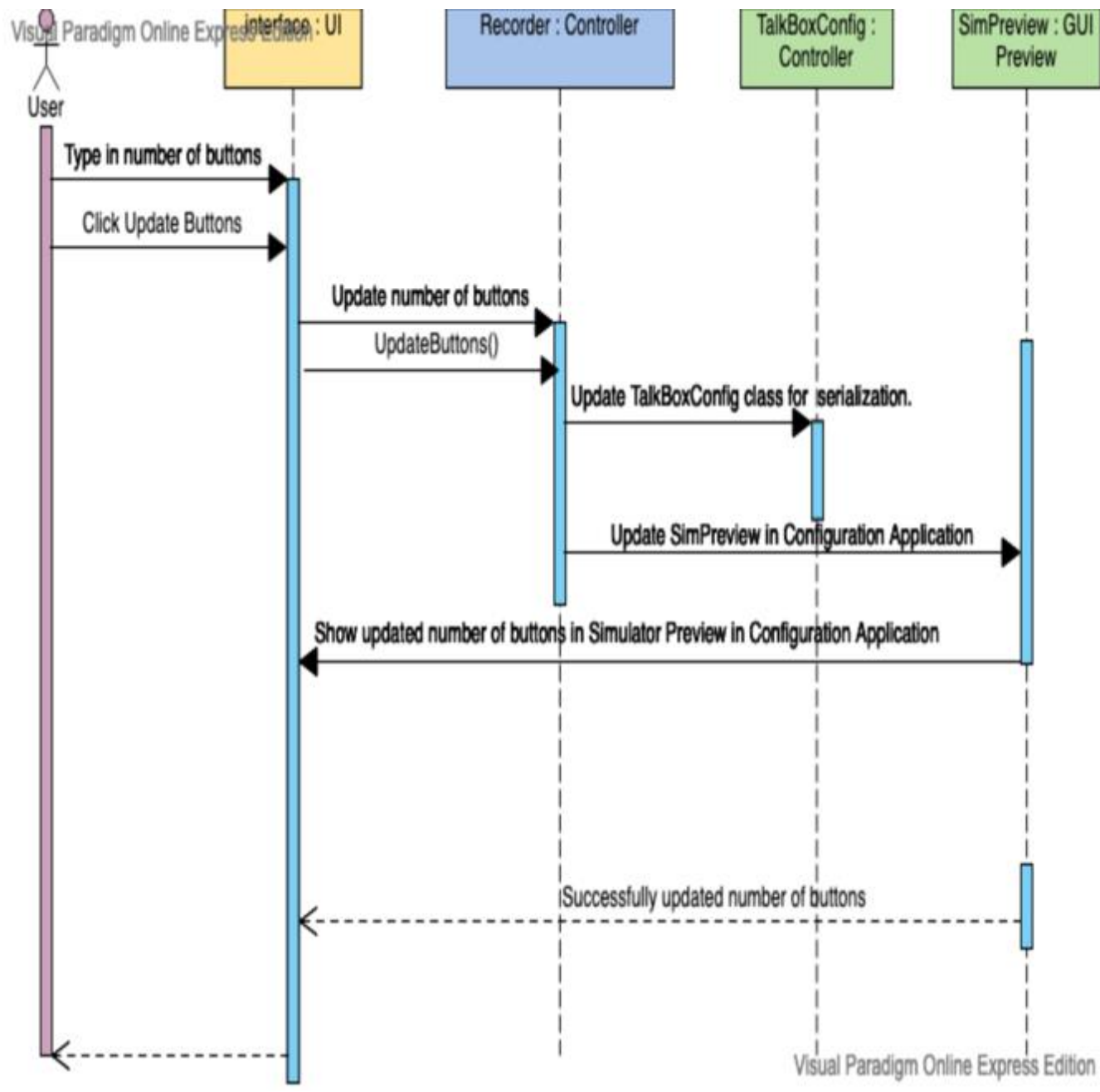
Record Audio:



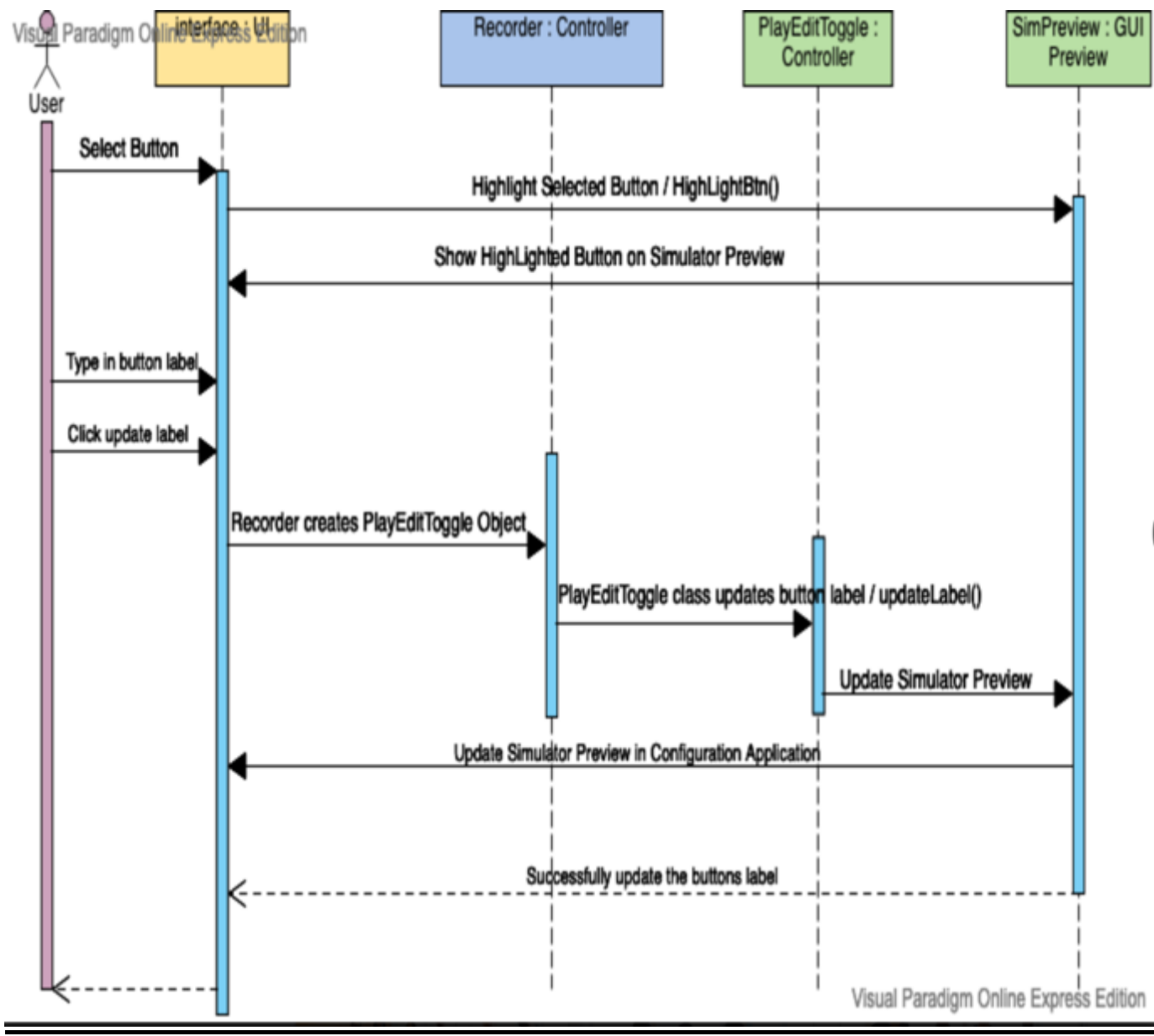
Playback Audio from a Button:



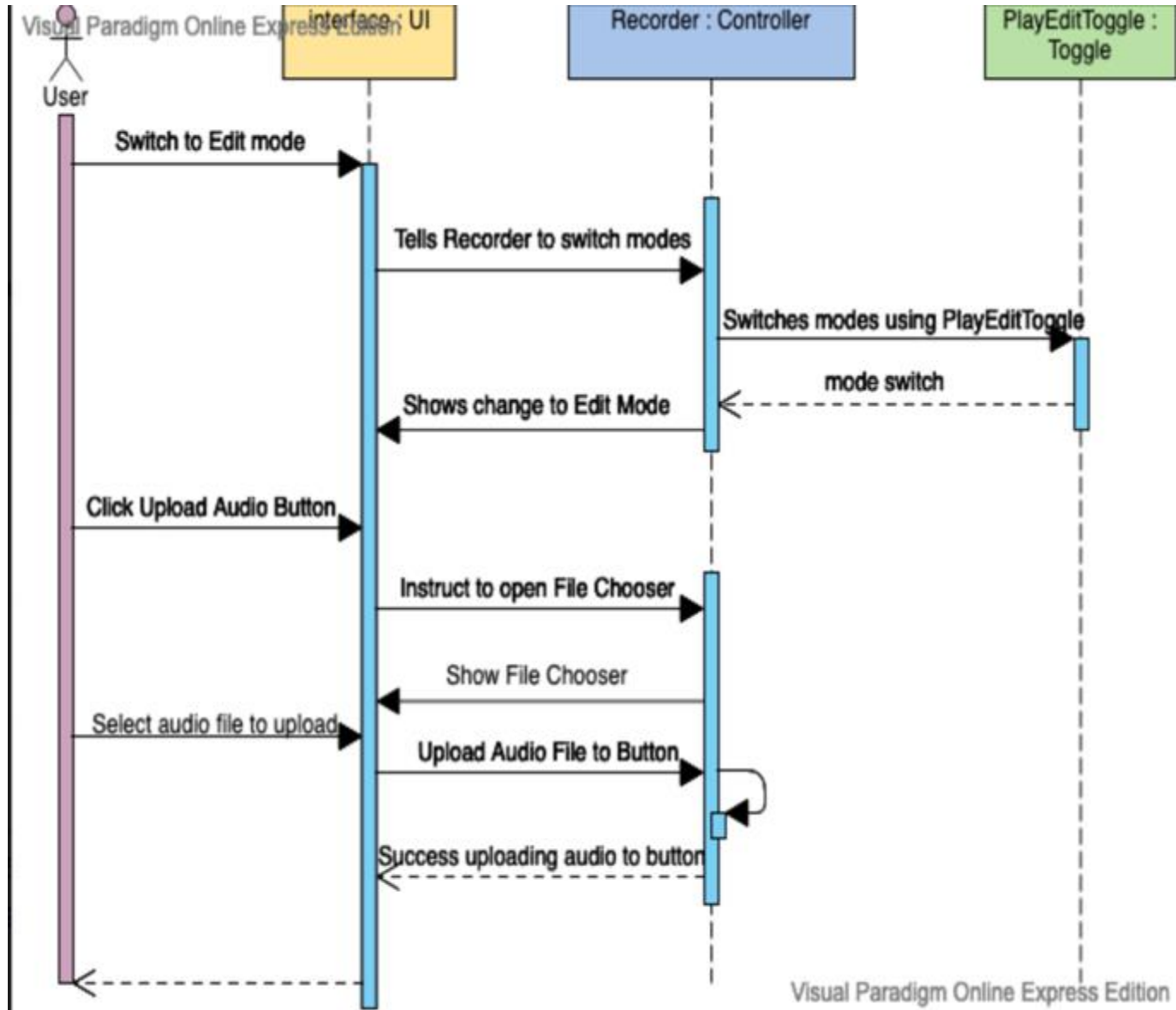
Update Number of Buttons:



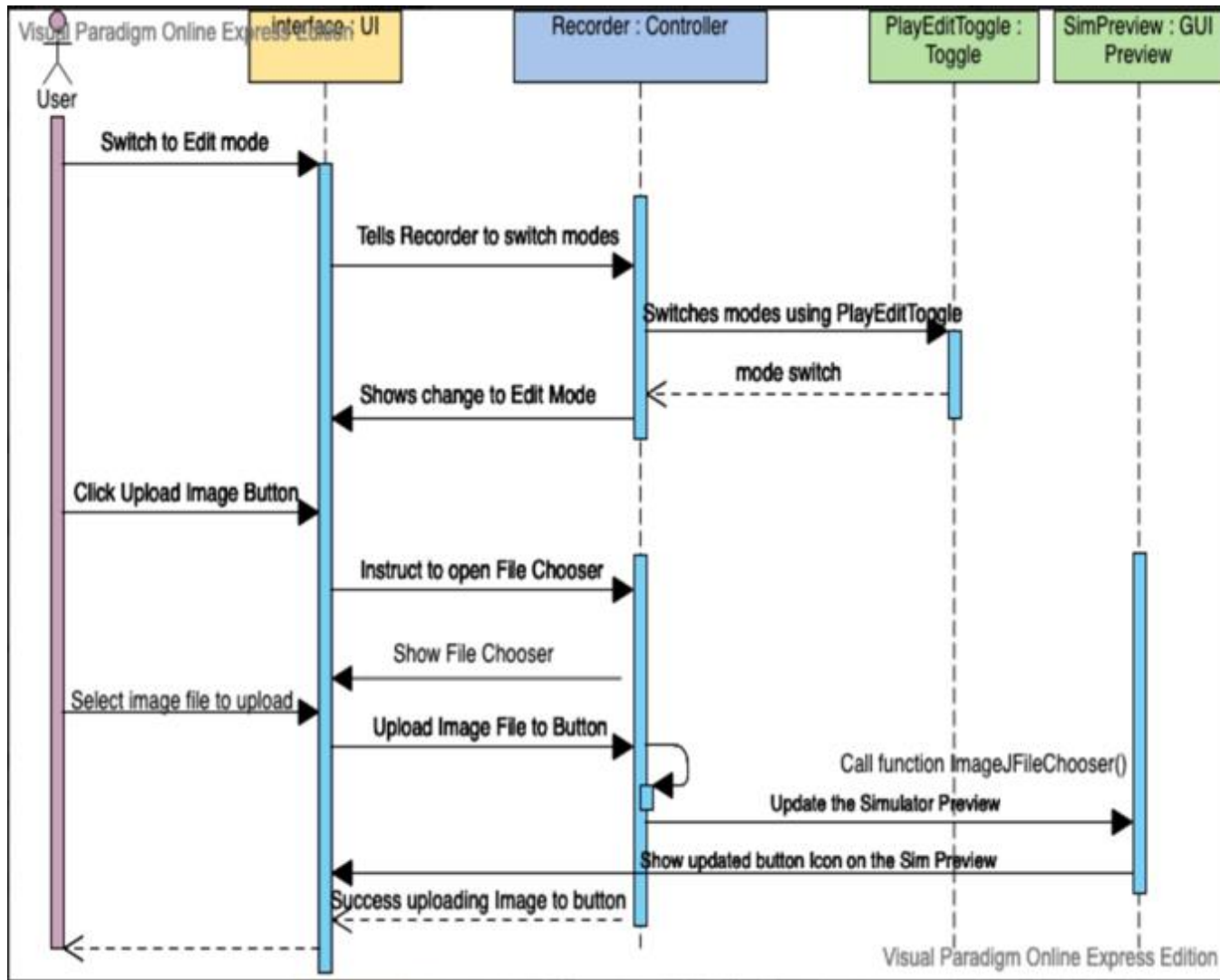
Update Button Label:



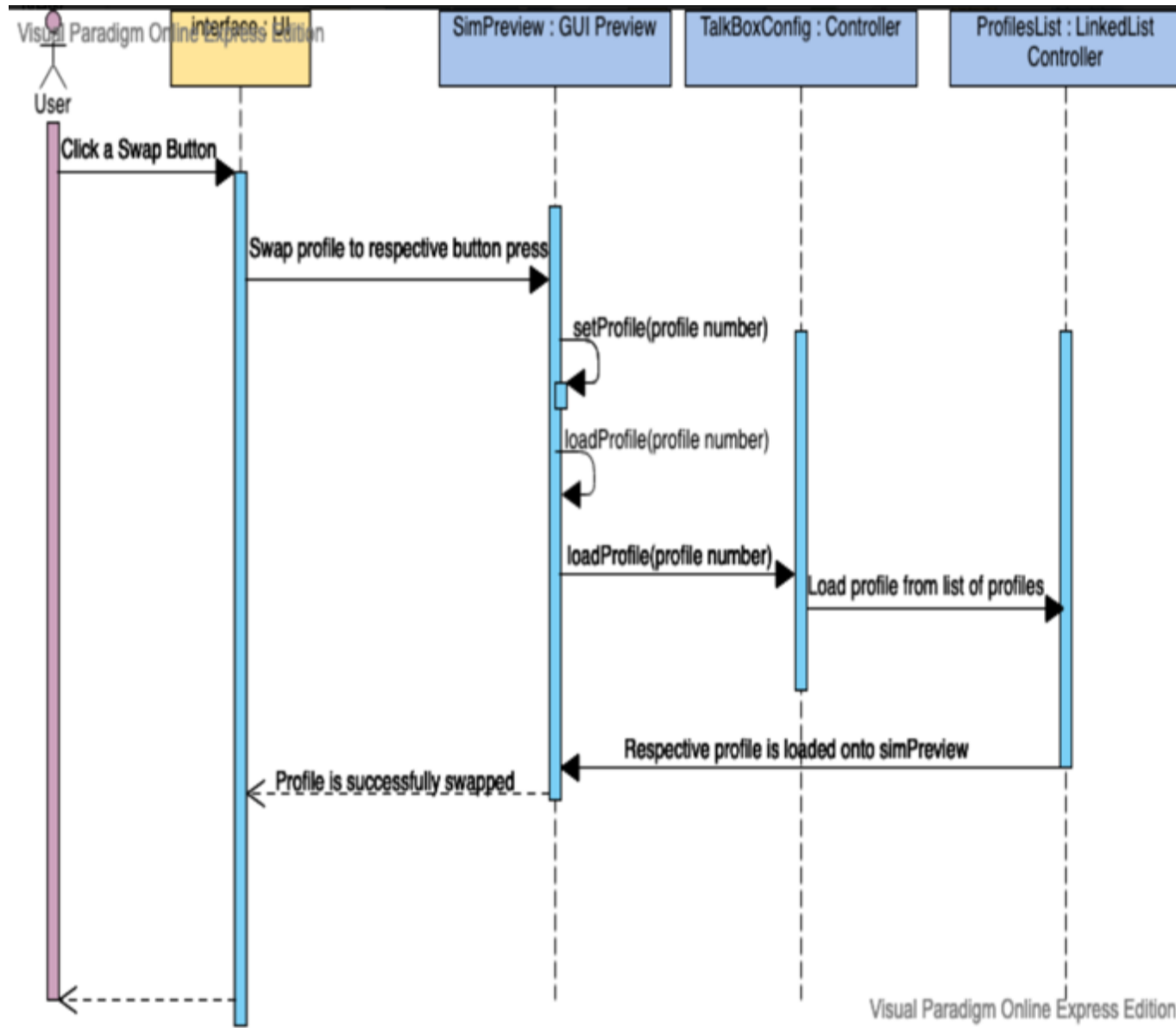
Upload Audio to Buttons:



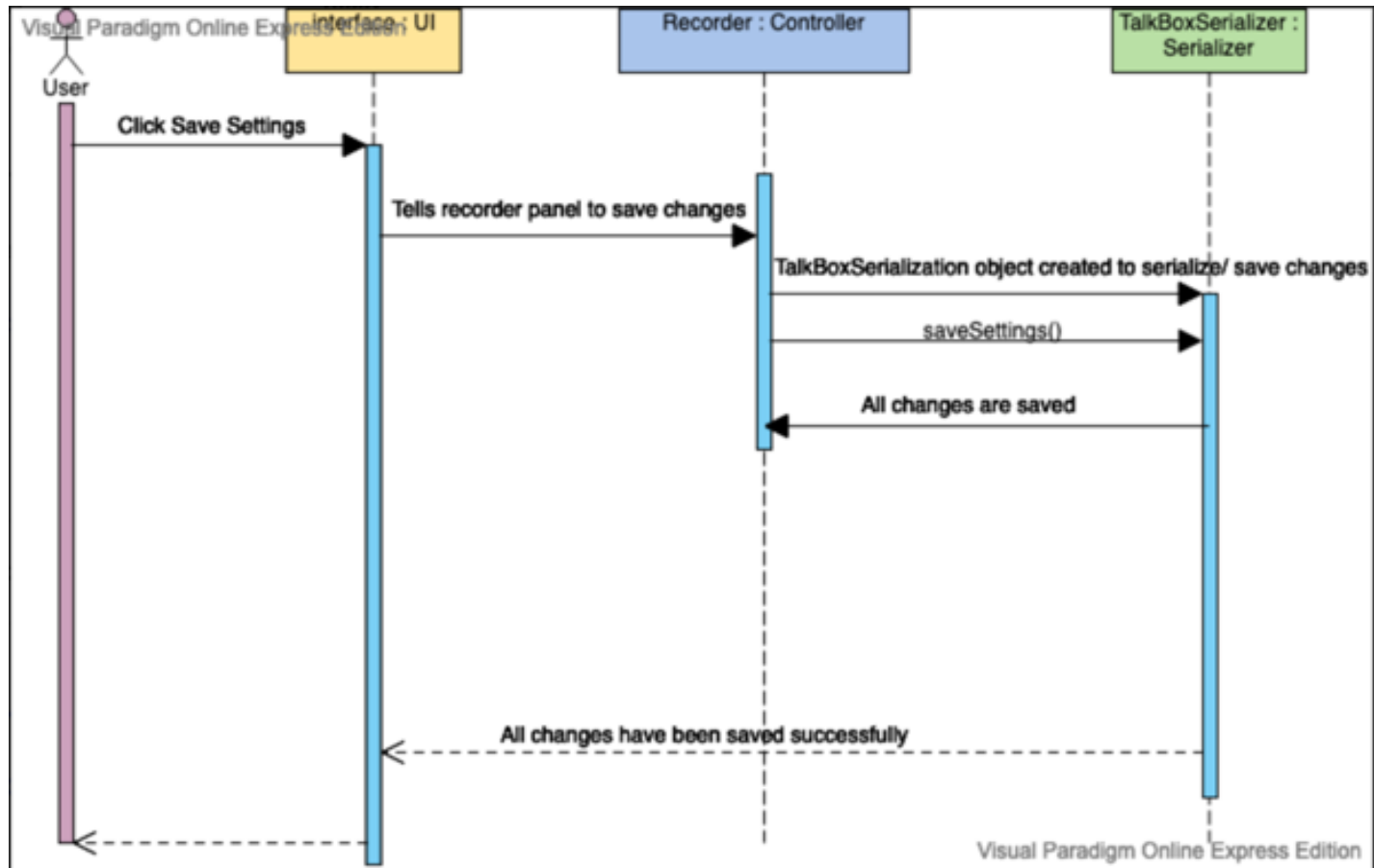
Upload Images to Buttons:



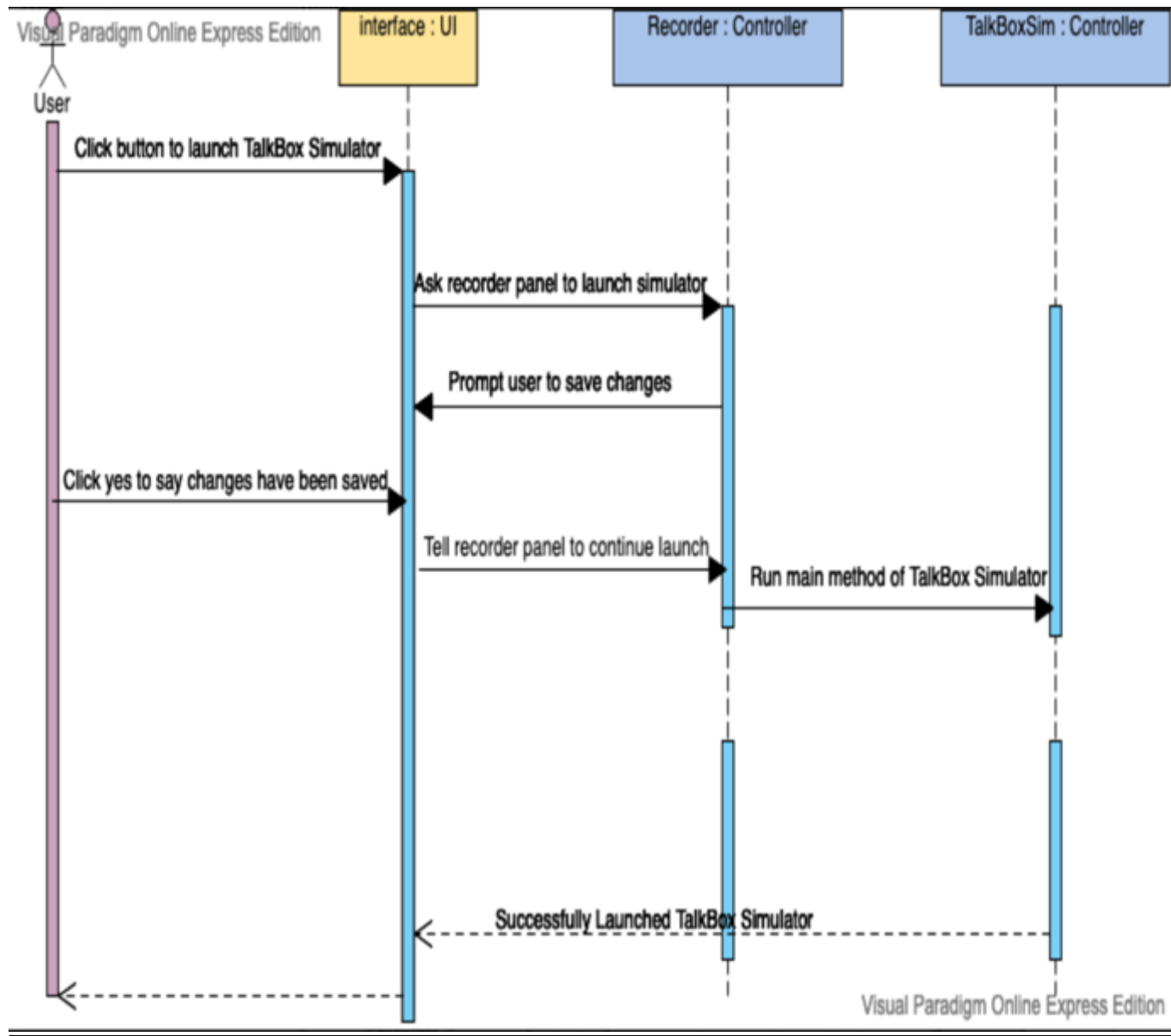
Swap Profiles:



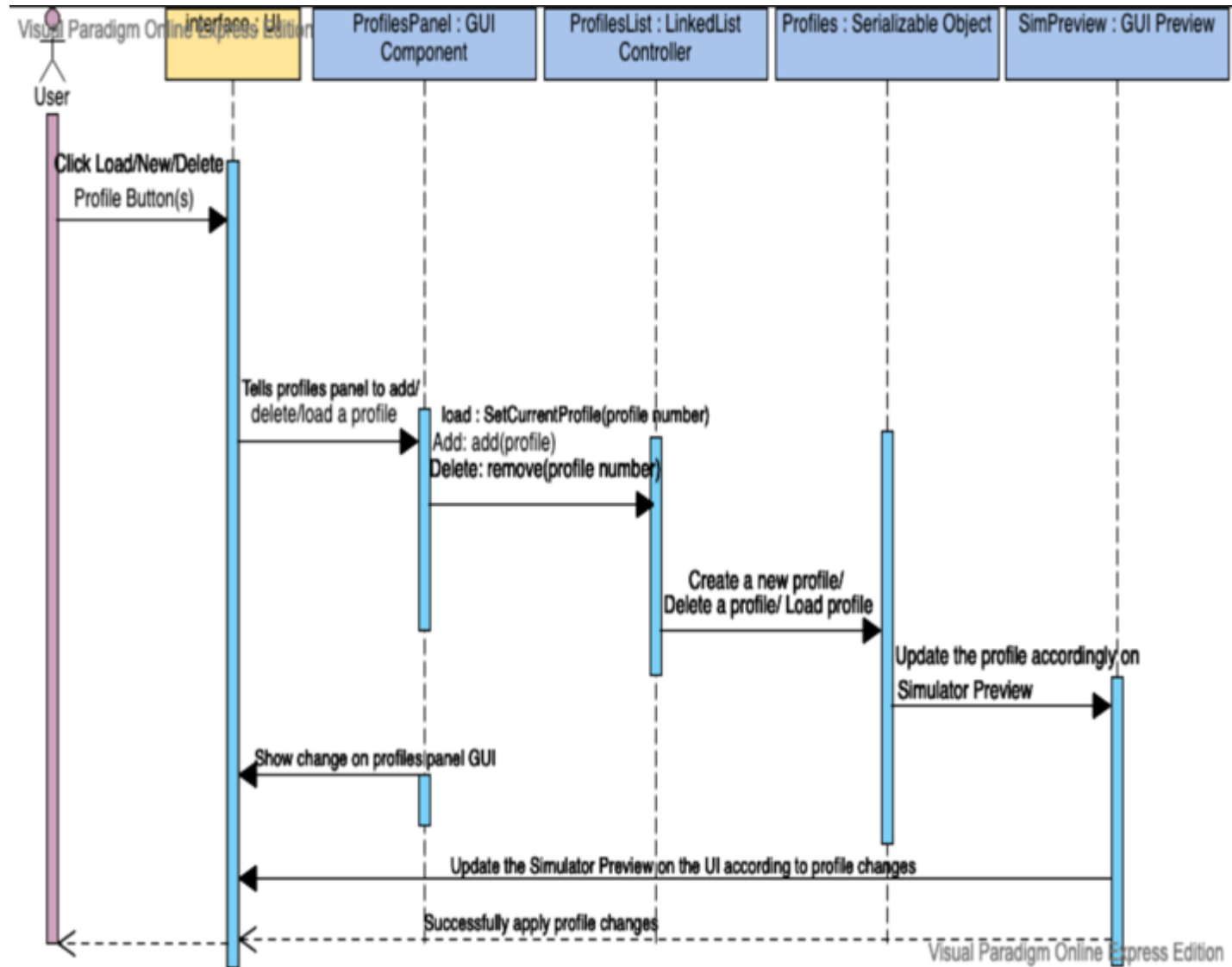
Save Settings / Serialize Changes:



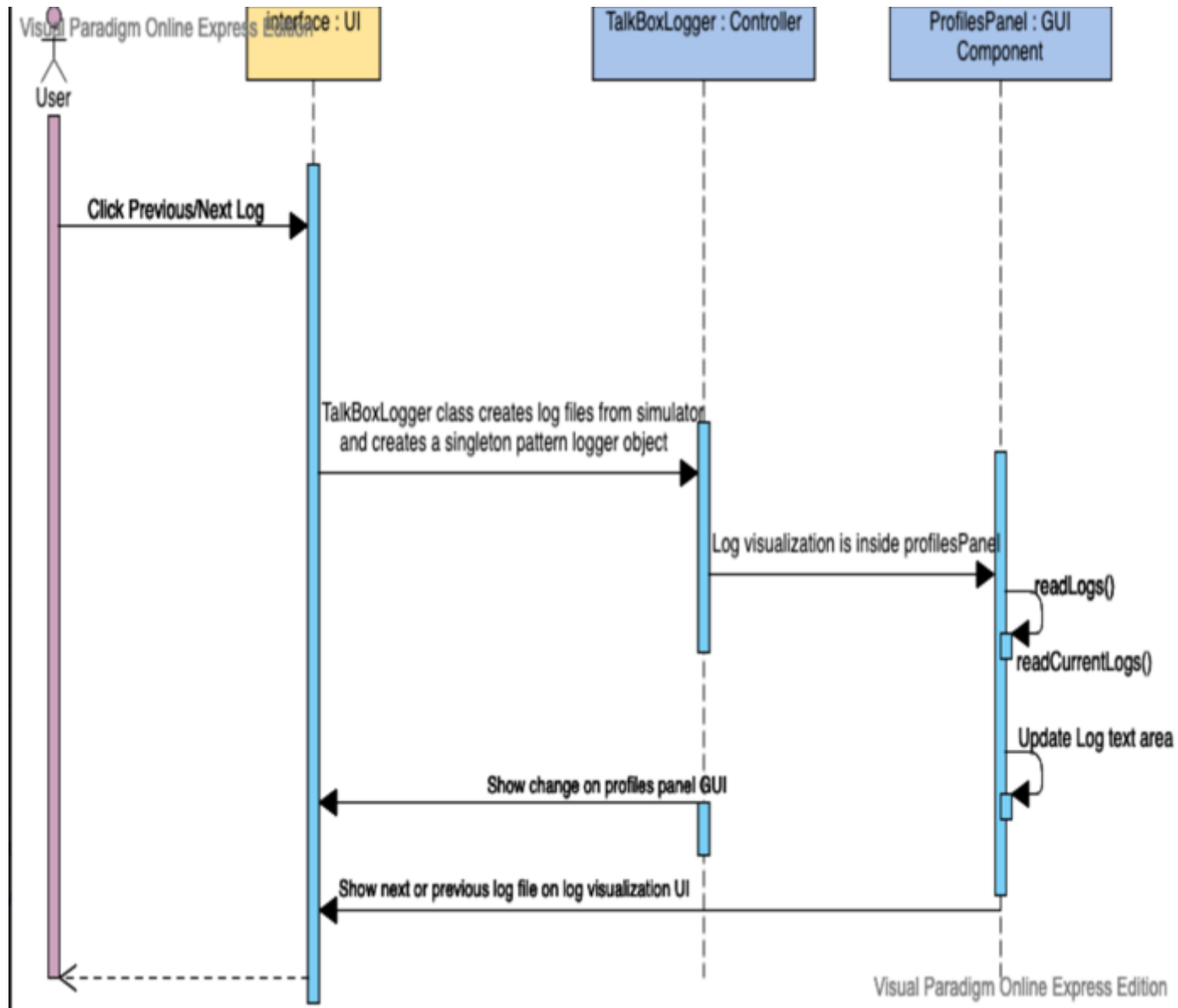
Launch TalkBox Simulator Application:



Load/Delete/New Profile:

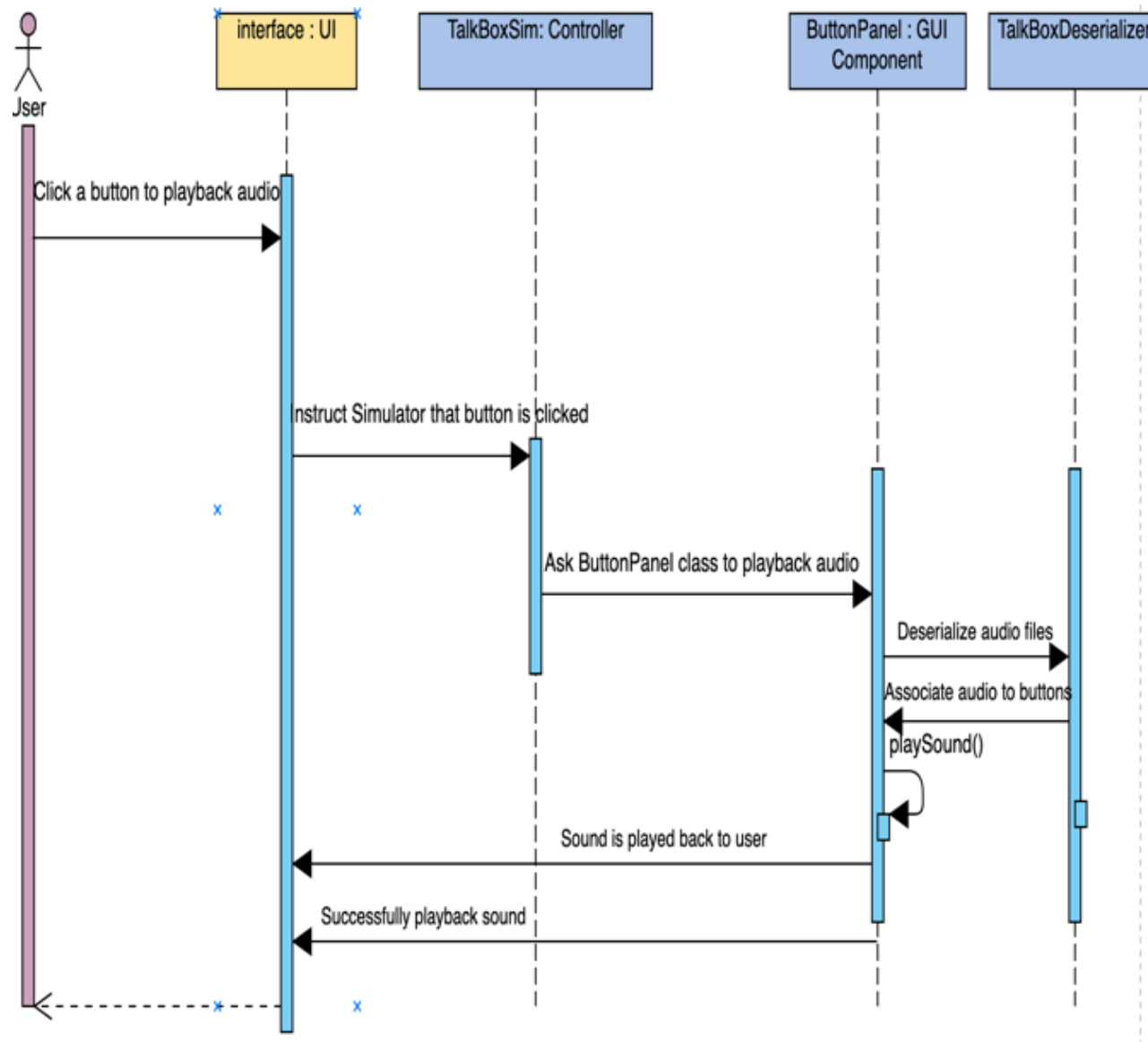


Next/Previous Log:

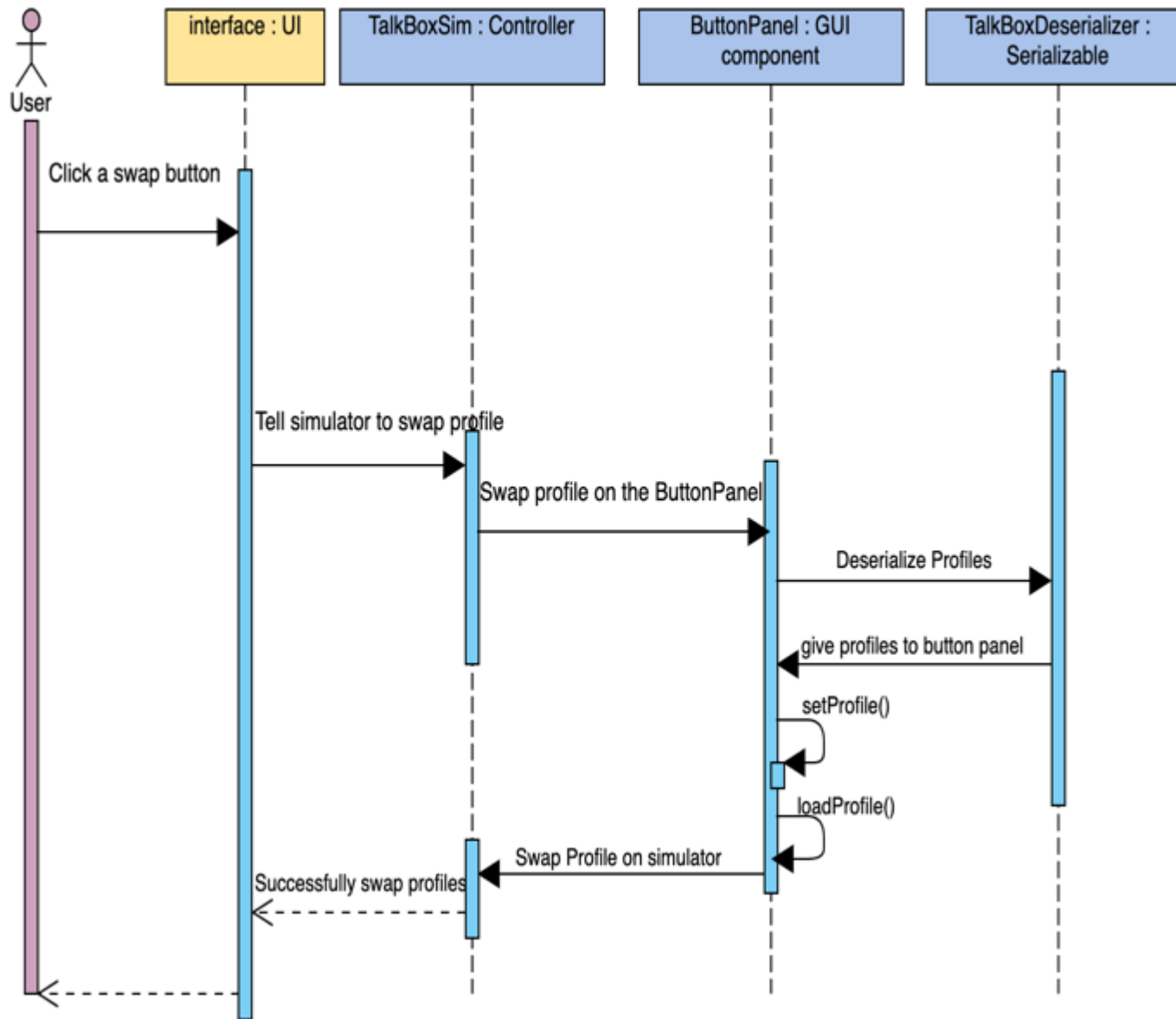


TalkBox Simulator

Playback Audio from a Button:



Swap Profiles:



TalkBox Configuration Log (TBCLog)

Next/Previous/Load Log:

