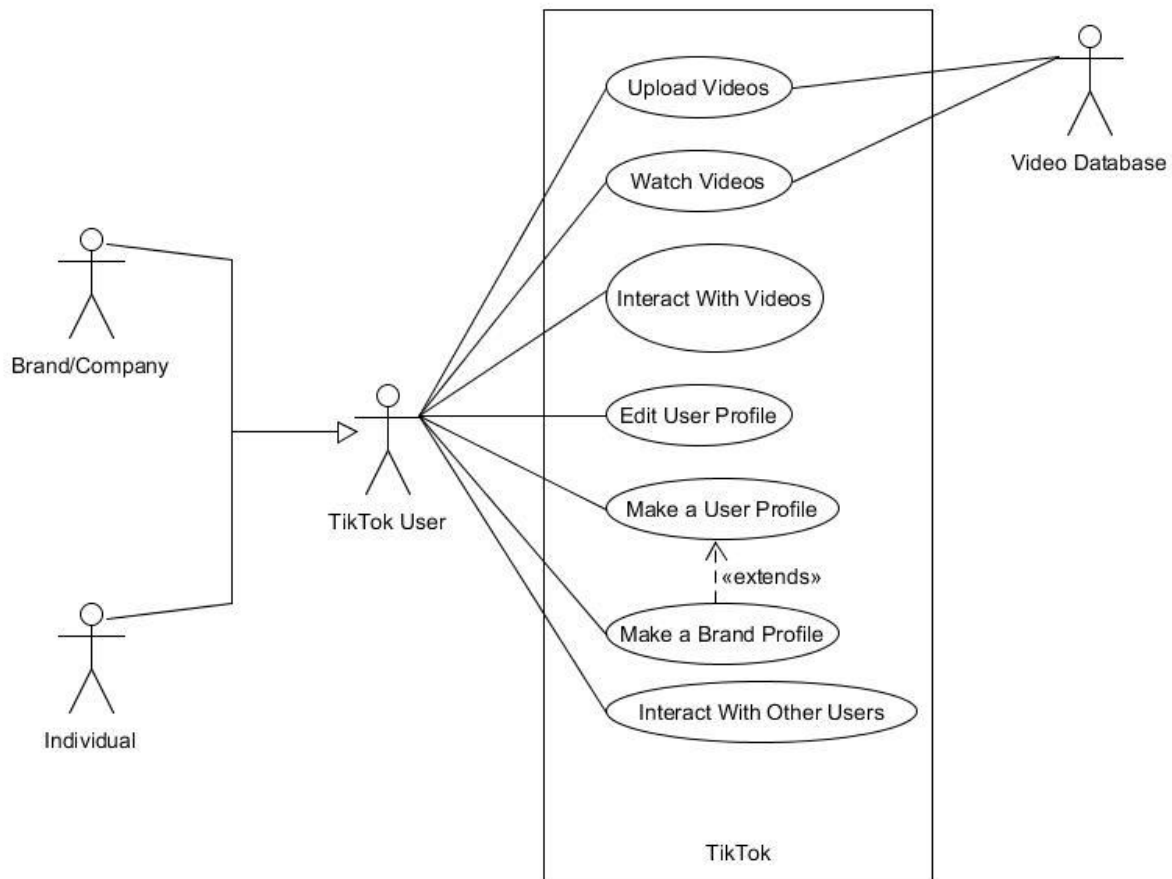# Software Engineering
## Kevin White
## 4/7/2023

1. The software application I will be using for this assignment is TikTok. The Version of TikTok I will be referencing is the mobile version for iPhone. These steps may be different on different versions of TikTok

2. Use Case Diagram

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3. Use Case Templet

| Use Case ID | UC-1 |
|---|---|
| Use Case Name | Upload Video |
| Brief Description | |
| Frequency of Use | Low – 10% |
| Priority | High |
| Current Version | 1.0 |
| Date of First Version | 4/18/2023 |
| Date of Last Version | 4/18/2023 |
| Created By | Kevin White |
| Last Update By | Kevin White |
| Approved By | Kevin White |
| Assumptions | The system is in fully working condition. <br><br> The user has already created a TikTok account. <br><br> The user is using an iPhone |
| Primary Actor | TikTok User |
| Secondary Actor/s | TikTok Brand |
| Preconditions | The user has previously logged into the system on their Phone. <br><br> The user has already made an account |
| Postconditions | The user will upload a video |
| Trigger | N/A |

| Main Success Scenario | User Actions | System Actions |
|---|---|---|
| | 1. The User opens the application on their system | |
| | | 2. The system gets userID, and MAC address from the users device. |
| | | 3. If the userID and MAC exist in the database, the user will be automatically logged in. |
| | | 4. The system pulls up the Home/For you page for TikTok |
| | 5. The user selects the + icon at the bottom of the screen | |
| | | 6. The system opens the video creator for TikTok |

| | | |
|---|---|---|
| | 7. The User Records a Video | |
| | 8. The user selects Audio | |
| | | 9. The system opens up a search for different audios available for the video |
| | 10. The user searches for an audio | |
| | | 11. The system shows filtered audios based on the users search |
| | 12. The user selects an audio | |
| | | 13. the system adds the audio to the video made by the user |
| | 14. The selects "Next" | |
| | | 15. The system pulls up a posting page |
| | 16. The user adds a description in the description text box | |
| | 17. The user selects "Post" | |
| | | 18. The system uploads the user's video to the TikTok database |
| **Alternate Scenarios** | **User Actions** | **System Actions** |
| | 16.a. The user sets the video to "Friends Only" <br> 17.a the user adds a description in the text box | |
| | 18.a The user selects publish | |
| | | 19.The system blacklists video from All TikTok Users |
| | | 20. The system checks users Friends list |
| | | 21. The system whitelists all Friends and the user to see the video |
| | | 22. The system uploads the users' video to the TikTok database. |
| **Additional Notes (Constraints, etc.)** | N/A | |

4. Test Case

| Test Case ID | TC-1 |
|---|---|
| Test Case Name | User Interface Usability Testing |
| Brief Description | This test case verifys that the user interface Is intuitive to use and not too confusing for the user |
| Planned Test Duration | 20 Minutes |
| Current Version | 1.0 |
| Date of Last Version | 4/18/2023 |
| Created By | Kevin White |
| Last Update By | Kevin White |
| Approved By | Kevin White |
| The version of Software Under Test | 1.0 |
| Test Engineer to Conduct the Test | Kevin White |
| List of Test Support Software | Apple IOS 16 |
| List of Test Support Hardware | iPhone 11 |

### a. Test Case 1 Scenario

| Test Step Number | Input | Expected | Result (Pass/Fail) |
|---|---|---|---|
| 1 | Run the application. | The application starts running. | Pass |
| 2 | Swipe up on the screen | The system shows the user a new video | Pass |
| 3 | Double tap on the screen | The system displays a red Heart, and likes the video | Pass |
| 4 | Tap the chat icon in the bottom right-hand corner | System pulls up comments window | Pass |
| 5 | Type "Great Video" in the comments textbox and hit "comment" | System uploads "Great Video" under the current user's username | Pass |
| 6 | Tap the Videos creator Headshot | The system pulls up the video creators' profile | Pass |
| 7 | Tap the "Follow Button" | The system logs the video creators account into the current users follow list | Pass |
| 8 | Tap the "+" Button at the bottom of the screen | The system pulls up the video creator | Pass |

| 9 | Tap and hold the circle at the bottom of the screen | The system records a video using the currently selected camera | Pass |
|----|----|----|----|
| 10 | Select the "Next" button | The system goes to the "post" page | Pass |
| 11 | Select "Post" | The system posts the video to TikTok databases | Pass |