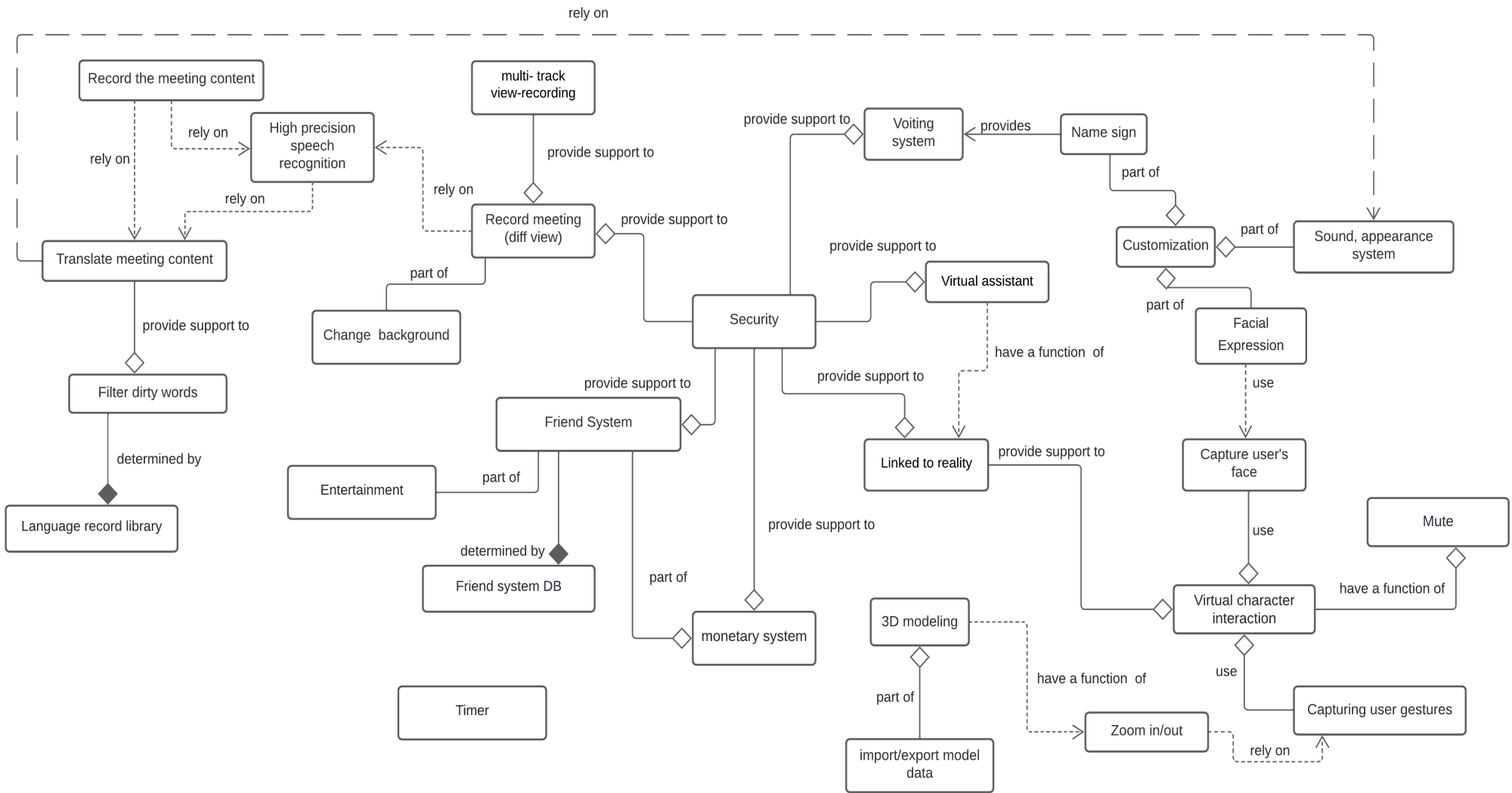# CMPT 475 Assignment 3

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2022/3/1

Record the meeting content

multi- track view-recording

rely on

High precision speech recognition

rely on

rely on

rely on

Translate meeting content

provide support to

Filter dirty words

determined by

Language record library

provide support to

Record meeting (diff view)

part of

Change background

provide support to

Security

provide support to

Voiting system

provides

Name sign

part of

Customization

part of

Sound, appearance system

part of

Facial Expression

use

provide support to

Virtual assistant

have a function of

Linked to reality

provide support to

Capture user's face

use

provide support to

Friend System

part of

Entertainment

determined by

Friend system DB

part of

monetary system

provide support to

3D modeling

have a function of

part of

import/export model data

Zoom in/out

rely on

Capturing user gestures

use

Virtual character interaction
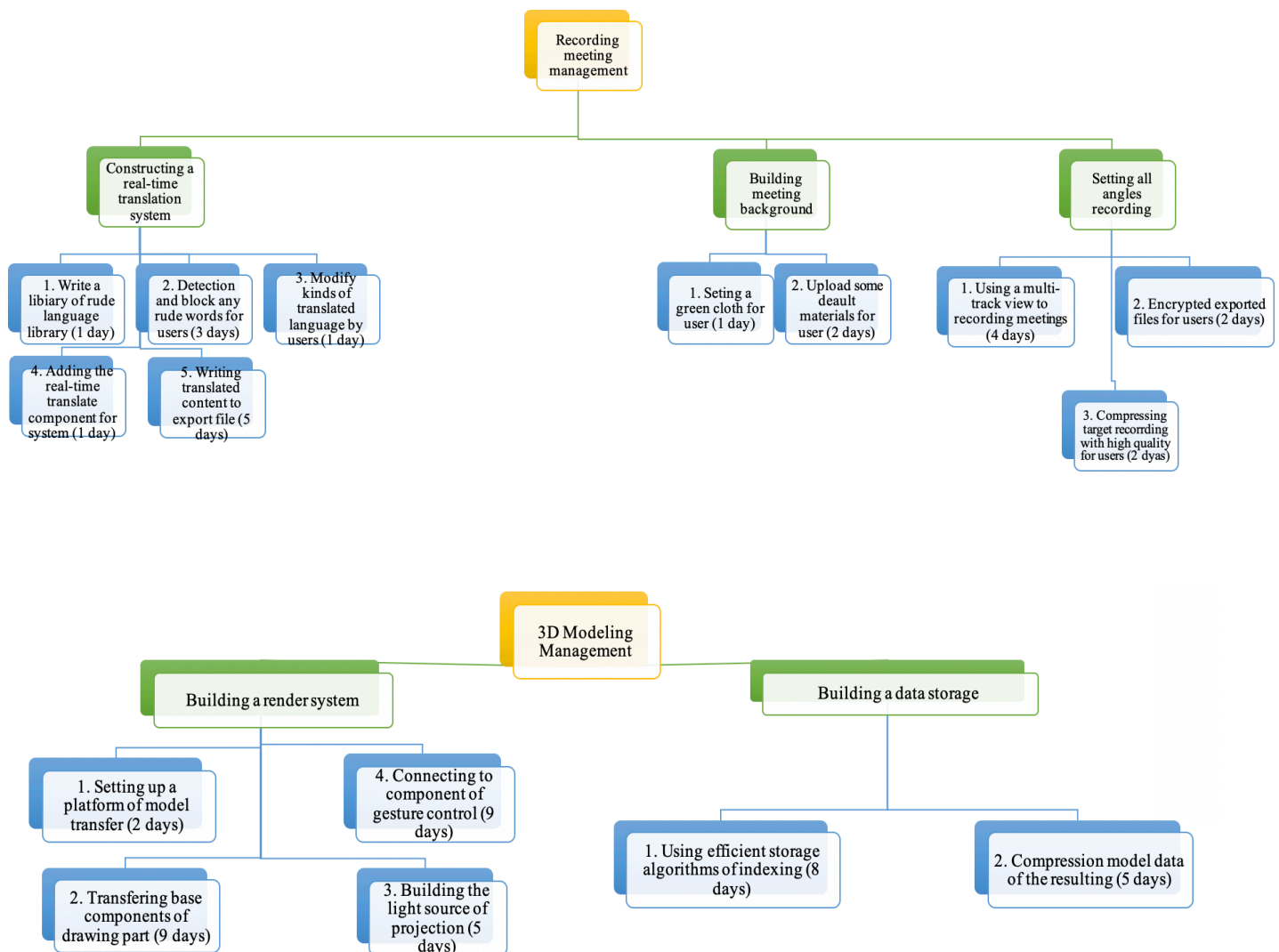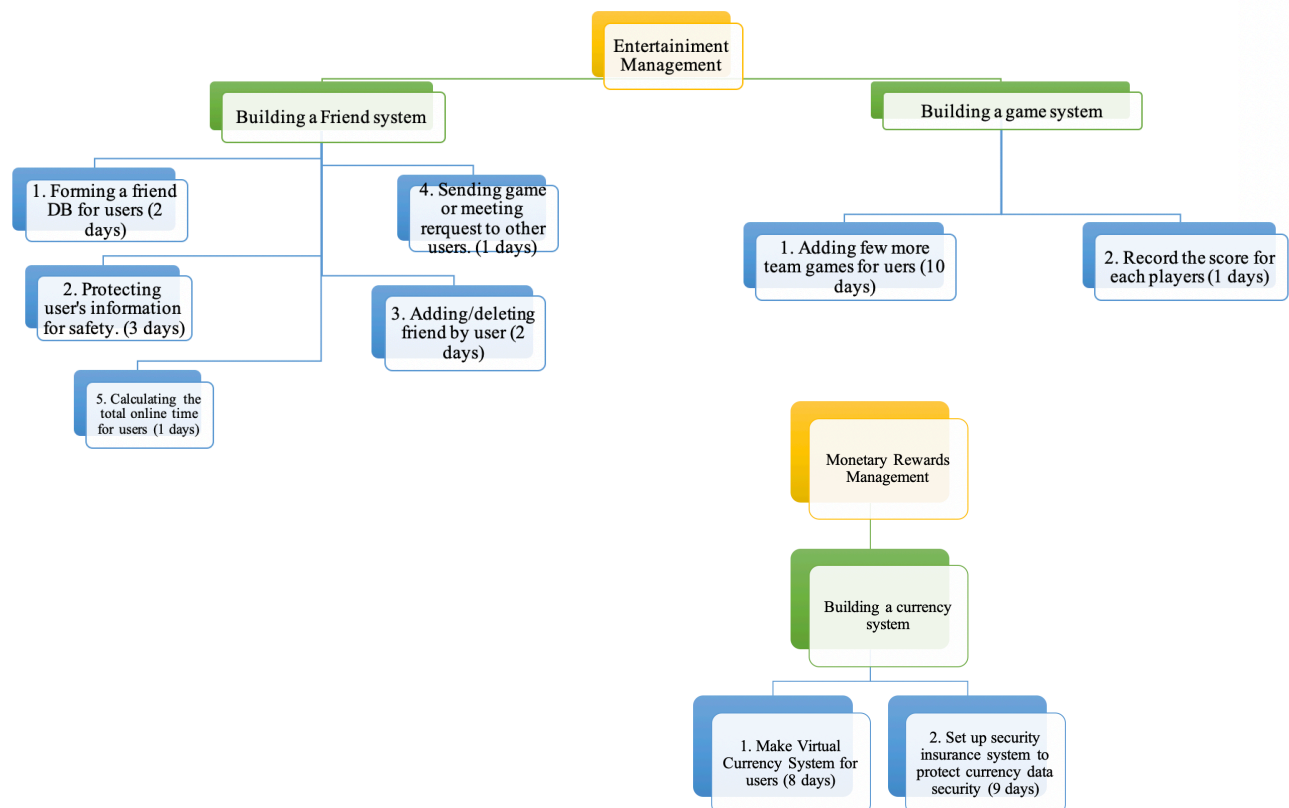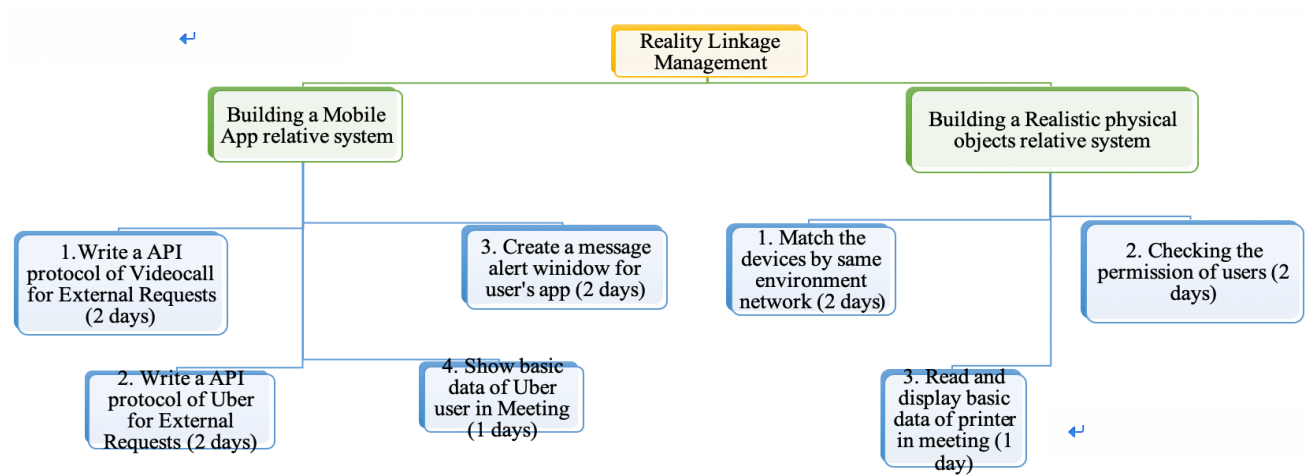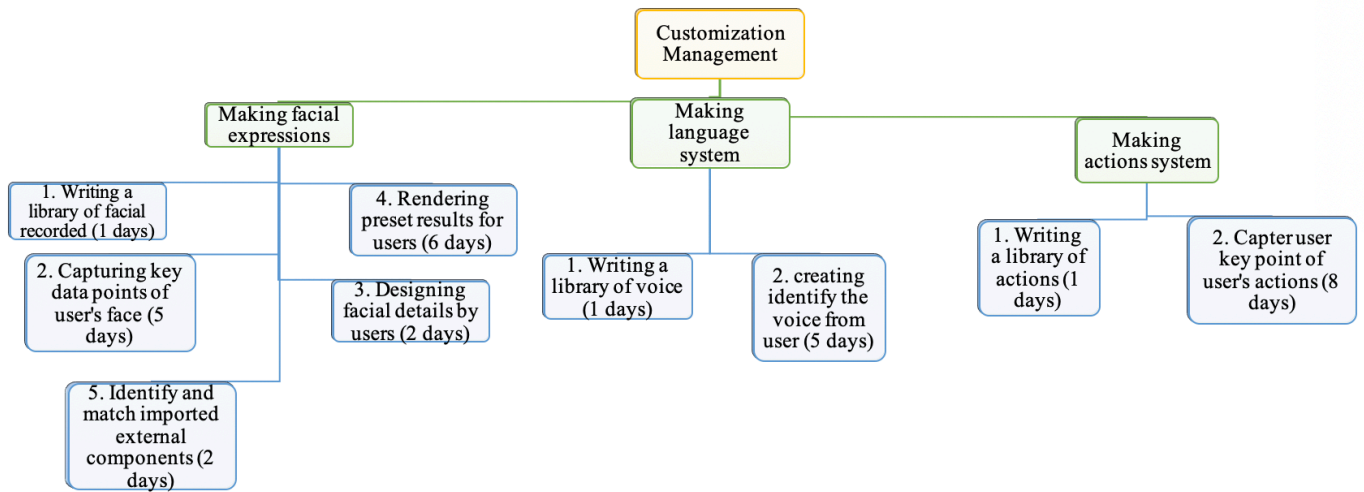
have a function of

Mute

use

Timer

2

Informal feature list:

1. Compressing target recording with high quality for users

2. Adding a few more team games for users

3. Encrypted exported files for users

4. Write an API protocol of Videocall for External Requests

5. Writing a library of voice

6. Chapter user key point if user's actions

7. Upload some default materials for users

8. Match the devices by same environment network

9. Adding the real-time translate component for the system

10. Writing translated content to export files

11. Read and display basic data of printer in meeting

12. Calculating the total online time for users

13. Setting up a platform of model transfer

14. Building the light source of projection

15. Protecting user's information for safety

16. Connecting to the component of gesture control

17. Sending game or meeting requests to other users

18. Record the score for each player

19. Adding / Deleting friends by users

20. Setting a green cloth for users

21. Using multi-track views to record meetings

22. Identify and match imported external components

23. Creating identify the voice from users

24. Checking the permission of users

25. Compression model data of the resulting

26. Writing a library of actions

27. Forming a friend DB for users

28. Rendering presents results for users

29. Debugging and modify for each components of drawing part

30. Write an API protocol of Uber for External Requests

31. Testing the sensitivity of gesture control to screen control

32. Modify kinds of translated language by users

33. Using efficient storage algorithms of indexing

34. Detection and block any rude words for users

35. Capturing key data points of user's face

36. Writing a library of facial recorded

37. Designing facial details by users

38. Write a library of rude language library

39. Create a message alert window for the user's app

40. Show basic data of Uber users in Meeting

41. Transferring base components of drawing part

Detailed features list:

Customization Management

Making facial expressions
1. Writing a library of facial recorded (1 days)
2. Capturing key data points of user's face (5 days)
3. Designing facial details by users (2 days)
4. Rendering preset results for users (6 days)
5. Identify and match imported external components (2 days)

Making language system
1. Writing a library of voice (1 days)
2. creating identify the voice from user (5 days)

Making actions system
1. Writing a library of actions (1 days)
2. Capter user key point of user's actions (8 days)

Reality Linkage Management

Building a Mobile App relative system
1. Write a API protocol of Videocall for External Requests (2 days)
2. Write a API protocol of Uber for External Requests (2 days)
3. Create a message alert winidow for user's app (2 days)
4. Show basic data of Uber user in Meeting (1 days)

Building a Realistic physical objects relative system
1. Match the devices by same environment network (2 days)
2. Checking the permission of users (2 days)
3. Read and display basic data of printer in meeting (1 day)

Entertainiment Management

Building a Friend system
1. Forming a friend DB for users (2 days)
2. Protecting user's information for safety. (3 days)
3. Adding/deleting friend by user (2 days)
4. Sending game or meeting rerquest to other users. (1 days)
5. Calculating the total online time for users (1 days)

Building a game system
1. Adding few more team games for uers (10 days)
2. Record the score for each players (1 days)

Monetary Rewards Management

Building a currency system
1. Make Virtual Currency System for users (8 days)
2. Set up security insurance system to protect currency data security (9 days)

Plan the Project:

Iteration 1: Setting up a platform of model transfer (2 days)

      Using efficient storage algorithms of indexing (8 days)

Iteration 2: Transferring base components of drawing part (9 days)

      Debugging and modify for each components of drawing part (1 day)

Iteration 3: Connecting to component of gesture control (9 days)

      Testing the sensitivity of gesture control to screen control (1 day)

Iteration 4: Building the light source of projection (5 days)

      Compression model data of the resulting (5 days)

Iteration 5: Writing a library of facial recorded (1 day)

      Capturing key data points of user's face (5 days)

      Designing facial details by users (2 days)

      Identify and match imported external components (2 days)

Iteration 6: Rendering preset results for users (6 days)

      Creating identify the voice from user (4 days)

Iteration 7: Creating identify the voice from user (2 days)

      Capture user key point of user's actions (8 days)

Iteration 8: Writing a library of voice (1 days)

      Writing a library of actions (1 day)

      Forming a friend DB for users (2 days)

      Protecting user's information for safety (3 days)

      Adding / Deleting friend by user (2 days)

      Sending game or meeting request to other users (1 day)

Iteration 9: Adding few more team games for users (10 days)

Iteration 10: Calculating the total online time for users (1 day)

      Record the score for each player (1 day)

      Write a API protocol of Video call for external requests (2 days)

      Write a API protocol of Uber for external requests (2 days)

      Create a message alert window for user's app (2 days)

      Match the devices by same environment network (2 days)

Iteration 11: Show basic data of Uber user in Meeting (1 day)

      Checking the permission of users (2 days)

      Read and display basic data of printer in meeting (1 day)

Write a library of rude language library (1 day)

Detection and block any rude words for users (3 days)

Modify kinds of translated language by users (1 day)

Adding the real-time translate component for system (1 day)

Iteration 12: Setting a green cloth for user (1 day)

Writing translated content to export file (5 days)

Upload some default materials for users (2 days)

Using a multi-track view to recording meetings (2 days)

Iteration 13: Using a multi-track view to recording meetings (2 days)

Encrypted exported files for users (2 days)

Compressing target recording with high quality for users (2 days)

Make virtual currency system for users (4 days)

Iteration 14: Make virtual currency system for users (4 days)

Set up security insurance system to protect currency data security (6 days)

Iteration 15: Set up security insurance system to protect currency data security (3 days)