Features need to implement in four weeks

1. **Front-end:**
   1. User login via Google account
   2. Able to set alarm clock
   3. Display single building
   4. Show window on/off depending on user status (awake/asleep)
   5. Able to add friends
   6. Allow user to leave message to his/her friends (optional: future)
2. **Back-end:**
   1. Using Azure as the SQL server
   2. Create table to save user’s alarm clock history
   3. Create table for friends of each user
   4. Create LOGIN API functionality using Google Account
   5. Save inbox/outbox messages for each user (optional: future)

Four-week Work Plan:

1. **Week1**
   1. Set up the multi-page layout for the application
   2. Design how user interact with different pages
   3. Explore and choose way to display buildings in the app
   4. Test on front-end design
2. **Week2**
3. Create user table in database
4. Generate user API
5. Generate test plan for user API
6. Generate clock list page to show all clocks user generated
7. Design clock creation page to enable user to set alarm clock
8. Generate user login/sign up pages
9. Update test plan for UI
10. **Week3**
11. Create clock table in database
12. Create clock API
13. Test on clock API
14. Connect the App with user API and clock API
    1. Store new user’s info in database
    2. Validate user login
    3. Design clock page and enable user to set alarm clock
    4. Retrieve user’s list of clock items
15. **Week4**
16. Create Friend table
17. Create friend API
18. Design friend page
    1. Show all the friends
    2. group friends in different buildings
19. Update test plan for front end design
20. Create test plan for friend API