CS673 Software Engineering
Team 6: Panda
Meeting Minutes

Meeting #6

Date and Time: Oct 14 14:00
Place: Mugur Library Basement
Participants: Shawn,James ,Haiyang,Siiming, Dawei, Alex
Purpose: Project Weekly Meeting

Agenda:

1. **UI (James)**
    - SDDD form

      1.UI Design (if applicable)

      In this section, you can describe your UI design

 # UI (student)
- Sign in
- Login
- Take Survey
- Submit Successfully
- Rate page (用户打分页面)

 # UI (instructor)
- Sign in
- Login
- Set Survey
- Create a Link Successfully
- Get Result (shows how many student complete survey)
- Manually setting groups
- Final group result

2. QA test (Haiyang)

- Sppp (QA part)
    1. Metric
    2. Testing (unit , Integration , system)

- Some test code

3. Requirement (siming)

- Sppp

  Doc/ProjX_userstories(generated)

- SDDD

- Summary additional things about iteration 1 , sent to shawn

4. Security Design (Aflex)

5. System Design (Dawei)

6. Question(shawn):

- Doc/ProjX_userstories(generated) which type

- SDDD
    1. Software Architecture
        a. Implementation of survey system.
        b. Implementation of objective function for calculating the multiple choice answer score within a team.
    2. Database design (option)

CS673 Software Engineering
Team 6: Panda
Meeting Minutes

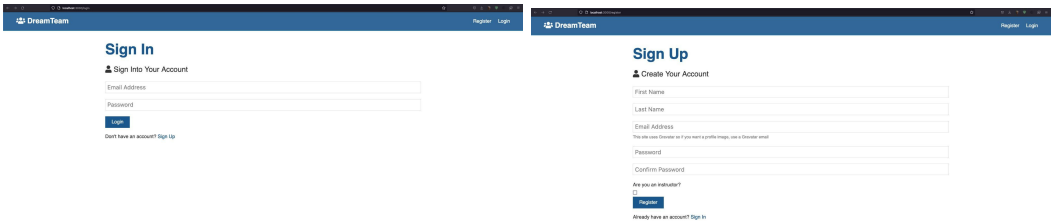
Meeting #5

Date and Time: Oct 08 19:00 -21:00
Place: Zoom

Participants: Shawn, Lijian Yao(James), Alex Wang, Siming Qian, Dawei Yin

Purpose: Project Weekly Meeting

Agenda:

1. **Past project explanation (James)**
    - **Any frontend design idea**
    - 

    - In the interface in the previous project, there were several components that I didn't know if there was a bug or there was a problem with my dependency, so I could only open these two pages.
    - Very bad comment, basically none.
    - Couldn’t see the algorithm from the previous project.
    - Something we can refer to is the verification of JWT:

- 

```
        jwt.sign(
          payload,
          config.get('jwtSecret'),
          { expiresIn: '5 days' },
          (err, token) => {
            if (err) throw err;
            res.json({ token });
          }
        );
      } catch (err) {
        console.error(err.message);
        res.status(500).send('Server error');
      }
    }
  );
```

2. **QA rules and discussion (Haiyang)**
    - **Sppp**

3. **Security Requirements (Alex)**
    - **CS673_Module2_reqanalysis**
        - **Use System Test (Recovery testing. A recovery test is a system test that forces the software to fail in various ways, therefore verifying that the recovery is performed properly. ...**
        - **Security testing. ...**
        - **Performance testing. ...**
        - **Regression testing. ...**
        - **Alpha testing. ...**
        - **Beta testing.) to design a plan for security**

Test Plan

- Test plan

Revision History

Name	Date	Reason For Changes	Version

1. Objectives

1.1 Modules under test

<Identify the modules or system under test.>

1.2 References

<Give the file name of the document that is referred in this plan >

2. Testing levels and methods

2.1 Testing levels

<Describe if this is unit testing, integration testing, system testing or regression testing>

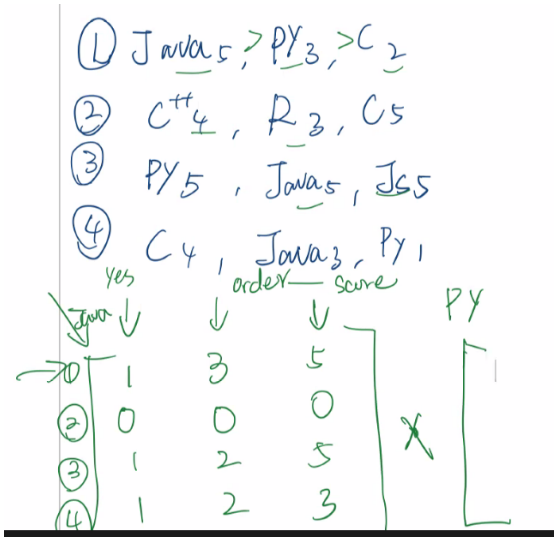
2.2 Testing methods

<Describe the methods that are used in the testing: equivalence class testing, and/or boundary value testing and/or statement/branch/path testing, or load testing>

4. **Django learning(Alex)**
    - **Use Django to build class and database**

5. **assign tasks for 4 score calculation function**
    - aee-vol02-issue01-p09.pdf

Alex’s conjecture for multichoice? Maybe a provement follows?



|A| only for n x n Matrix
So, maybe we should not use matrix and change it to vector calculus，it also can solve the problem that the nember of students in one group is uncertain.

If one group has x student it will have x vector, v1,v2,.....vx

vx=[order, score]

If we want to calculate the java, use code to select the student who choose the java (means the [must be1, order, score]), so we should need a table in UI
Like

	java	python	C/C++	html	css	Js	Customization	Note： Maybe We need to list as many languages as possible that students will use in the software development process
yes/no								
Order [Number of language								

type,0]								
Score [0,5]								

We can get the data which will be stored in student class when students finish this table,

Thus, we just use the most simple way, vector add, to calculate.

Then, let the code choose all the students who choose yes from the java row

If we find a student 1 and 2 write the “yes” in Java row (when we get all students table, Sort algorithm can complete this)

its vector is v1=[order, score], v2= [order, score]

The best case is must be vector(java)= v1+v2=[8,5]+[8,5] = [16,10] (assume there are 8 language types)

Then calculate the sum of student1 and student2 in python row

If student 1 choose yes in python but student 2 choose no the case of them in python bar should be v1 + 0 x v2 (选no直接变零向量就好)= v1

Then，calculate the next language row of them，until last bar

We will get all vector(language)

When we sign them to the group, just keeping every group that student vector sum in is similar to the best case? Maybe can set the lowest sum of this, if the vector is smaller than lowest , swap students to another group.

I think it is easier to use code for implementation? The algorithm in paper and matrix way. I think the whole night but also can not find corresponding codes. It is just a swap code on paper.

6. **upload objective score functions to GitHub**
   Create objective function for calculating single choice scores.

7. **Coding standard(convention)**
    - **Input , output (type, return)**
    - **Comment specificly**
    - **pycharm (format)**
8. **Iteration 1 prepare**

9. **Data structure**
    - **Please refer to the github**

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Team 6: Panda
Meeting Minutes

Meeting #4

Date and Time: Sep/29/2022 14:00
Place: Zoom

Participants: Shawn,Dawei,Lijian(James),Alex,Siming
Purpose: Project Weekly Meeting

Agenda:

1. **GO back on SPPP**

Iteration 0 (Proposal) Group Submission

Overall, good job! Please see the feedback and the inline comments in SPPP on google drive.

Team	Team 6 (rating)	Team6 (feedback)
Weekly Report (if everyone did, if the time is calculaled correctly, if the tasks done are described, if there is any concern)	4.5	The total person hours of the whole group should be calcualted in the iteration progress sheet in the progress report.
Meeting Minutes (if there is a meeting every week, if the minute taker is always the same person, if the key information is included.)	5	You only need one meeting minutes document. Good job keeping all of the previous details in the most recent document so far. Reasonable level of detail in meeting minutes taken.
SPPP (including risk analysis) (if every section is included. If the requirements are reasonable. if the plan is reasonable. If the risk analysis calculation is correct, etc. If they use google drive for their document collabration)	5	Very clear vision of what the desired end product is. Risk management is present and acceptable, but the listed risks are all abstract. Tasks may be reasonable with effort level outlined, but a clearer expectation of the effort associated with each individual feature should be done.
Github Submission (if everything is submitted. if the submission (both doc and code) is in a particular version). In this iteration, only the document is required.	5	All iteration0 requirements appear present in the main branch in github within the iteration 0 folder
Presentation (presentation style and content)	5	A reasonable presentation which displayed the objectives of the project was given.

-
- Revise SPPP (detail)

2. **<u>Assign the task</u>**
    - One for frontend (pass project)
      * James
      https://github.com/BUMETCS673/BUMETCS673A1F21P3

    - One for django
      * alex

    - Design for Data Structure
      * Siming（Flowchart）
      * Dawei (Class diagram)

    - QA test (Not yet)
      * Haiyang

3. Algorithm Discussion
    - https://drive.google.com/drive/folders/1snlFwbQyd2IVzxyMKFb32hS9_4Z

HmOHR
- aee-vol02-issue01-p09.pdf

4. Lab#2

Discussions:

5. **GO back on SPPP**
    - Revise SPPP (detail)

6. **Assign the task**
    - Algorithm and communicate
      * Shawn

    - One for frontend (pass project)
      * James
      https://github.com/BUMETCS673/BUMETCS673A1F21P3

    - One for django
      * alex

    - Design for Data Structure
      * Siming（User Flowchart）
      * Dawei (Class diagram)

    - QA test (Not yet)
      * Haiyang

7. Algorithm Discussion
    - https://drive.google.com/drive/folders/1snIFwbQyd2IVzxyMKFb32hS9_4Z
    HmOHR
    - aee-vol02-issue01-p09.pdf
    -

```
repeat
 for each teamA from 1 ... (num_teams-1)
   for each teamB from (teamA+1) ... num_teams
      for each studentA in teamA
               for each studentB in teamB
            old = min(score(teamA), score(teamB))
            swap studentA and studentB
            new = min(score(teamA), score(teamB))
            keep swap if (new > old), otherwise revert
         end
      end
   end
 end
until no swaps succeed (maximum 20 passes)
```

Figure 2: Pseudo-code for the team-member swapping procedure.

-

8. Lab#2 (10/5 due)
    - Pivotaltracker (user stories)
      https://www.pivotaltracker.com/n/projects/2599395
    - UML (class diagram) (make sure one for everyone)

Key Decisions:

- Algorithm and communicate
  * Shawn

- One for frontend (pass project)
  * James
  https://github.com/BUMETCS673/BUMETCS673A1F21P3

- One for django
  * alex

- Design for Data Structure
  * Siming（User Flowchart）
  * Dawei (Class diagram)(UML)

CS673 Software Engineering
Team 6: Panda
Meeting Minutes

Meeting #3

Date and Time: Sep/22/2022 14:00
Place: Zoom

Participants: Shawn, Dawei, Haiyang, Siming, Alex
Purpose: Project Weekly Meeting

Agenda:

Determine responsibilities of each leader role and
- Shawn(baymax@bu.edu) - Team leader
- Dawei(davidyin@bu.edu)- Design and Implementation leader
- Lijian(yao049@bu.edu) - Configuration leader
- Haiyang Wang (whaiyang@bu.edu)- QA leader
- Siming (s1a1d1f1@bu.edu) - Requirement Leader
- Alex(alexrw@bu.edu) -Security leader

Assigning different task
- SPPP form for each different role
- All the forms

Determine Project Algorithm

Possible algorithms:
- CATME's Team-Maker algorithm(rasdfghjklefer to the google drive)
- Design and Validation of a Web-Based System for Assigning Members to Teams Using Instructor-Specified Criteria(refer to the google drive)
- Stable matching algorithm(please google)
- Or somehow combine them?

Determining
- CS673_STD Team 6

Find and discuss related works

Discuss last project about team maker
- https://github.com/BUMETCS673/BUMETCS673A1F21P3
- haiyang
- Siming

- Dawei

Discuss risks
- Fail to design a valid algorithm
- Not meeting or part of user's requirements
- Can't finish front end

Discussions:

1. Determine responsibilities of each leader role and
- Shawn(baymax@bu.edu) - Team leader
- Dawei(davidyin@bu.edu)- Design and Implementation leader
- Lijian(yao049@bu.edu) - Configuration leader
- Haiyang Wang (whaiyang@bu.edu)- QA leader
- Siming (s1a1d1f1@bu.edu) - Requirement Leader
- Alex(alexrw@bu.edu) -Security leader

2. Assigning different task (prepare for Iteration 1)
- SPPP form for each different role
- All the forms

3. Determine Project Algorithm
Possible algorithms:
    - CATME's Team-Maker algorithm(refer to the google drive)
    - Design and Validation of a Web-Based System for Assigning Members to Teams Using Instructor-Specified Criteria(refer to the google drive)
    - Stable matching algorithm(please google)
    - Or somehow combine them?

4. Determining
- CS673_STD Team 6

5. Find and discuss related works
Discuss last project about team maker
- https://github.com/BUMETCS673/BUMETCS673A1F21P3
- haiyang
- Siming
- Dawei

6. Discuss risks
- Fail to design a valid algorithm
- Not meeting or part of user's requirements
- Can't finish front end

Key Decisions:

1. **Focus on algorithm design**
2. **Start to learn frontend skill**

CS673 Software Engineering
Team 6: Panda
Meeting Minutes

Meeting #2

Date and Time: Sep/15/2022 14:00 - 16:25
Place: Discord
Participants: Haiyang, Shawn,Lijian,Dawei, Siming
Purpose: Project Weekly Meeting

Agenda:

Decide group name
Determine Project name
Project ideas
Assign roles
Set the weekly meeting time
Find and discuss related works
Assigning task
Brainstorm requirements
Discuss risks

Discussions:

1. Determine group name
    - Panda

2. Determine project name
    - IGroup

3. Project ideas
    - Team Match system

4. Assign roles
    - Shawn(baymax@bu.edu) - Team leader
    - Siming (s1a1d1f1@bu.edu) - Requirement Leader
    - Dawei(davidyin@bu.edu)- Design and Implementation leader
    - Lijian(yao049@bu.edu) - Configuration leader
    - - QA leader
    - Haiyang Wang (whaiyang@bu.edu) - Security leader

5. Provide effort hours so far
    - Members will email hours spent so far to Shawn (due every weekly meeting)
    - Need to decide start/end of week
        - Week starts ends Thu 2 pm (online) , ends Wed after class (offsite)

6. Find and discuss related works

    - Try to comprehensive the previous student project https://github.com/BUMETCS673/BUMETCS673A1F21P3

    - Survey https://docs.google.com/forms/d/e/1FAIpQLSfkskHnSJLweJSulYyeBenhNPSyzHkQTRW6wzakM_Ffb3gJFA/viewform

    - Team Sign https://docs.google.com/document/d/1PzFrv9GLrKaXZP46fl1S_kaAev4Gb6BcfAxBUfSvNSs/edit

    - Related
    - https://cdn.discordapp.com/attachments/1019358936496881734/1020067567949316218/Forming_More_Effective_Teams_Using_CATME_TeamMaker_and_the_Gale-Shapley_Algorithm.pdf

7. Brainstorm requirements
    - Algorithm Discussion

8. Discuss risks
    - Not perfect algorithm

9. Project criteria

   Priority -
   1. Algorithm Implementation
   2. Backend framework
   3. Frontend framework
   4. Learning

10. Separation of duties
    - Frontend - Shawn, Siming
    - Backend - Dawei,haiyang,Lijian

Key Decisions:

- Project name is IGroup

- Time tracking
  - Week start on Thursday
  - Week end on Wednesday

- Roles assigned:
  - Shawn(baymax@bu.edu) - Team leader
  - Siming (s1a1d1f1@bu.edu) - Requirement Leader
  - Dawei(davidyin@bu.edu) - Design and Implementation leader
  - Lijian(yao049@bu.edu) - Configuration leader
  - - QA leader
  - Haiyang Wang (whaiyang@bu.edu) - Security leader

- Separation of duties
  - Frontend - Shawn, Siming
  - Backend - Dawei,haiyang,Lijian

CS673 Software Engineering
Team 6: BOLTX
Meeting Minutes

Meeting 1

Date and Time: Sep/14/2022 11:00 am -13:15pm
Place: Zoom & Discord
Participants: Dawei, Shawn, Siming, TSing, Lijian,Haiyang
Purpose: Project Kickoff Meeting

Agenda:

1. **Decide group name**
2. **Determine Project name**
3. Project ideas
4. **Provide effort hours so far**
5. **Finalize communication plan**
6. Find and discuss related works
7. **Brainstorm requirements**
8. **Discuss risks**
9. **Determine an approach/process to use**
    a. **Agile**
    b. **waterfall**
10. **Assign roles**

Discussions:

1. Determine group name
    - Is this the same as project name? Yes

2. Determine project name
    - BOLTX

3. Project ideas

4. Provide effort hours so far
    - Members will email hours spent so far to Shawn (due every monday meeting)
    - Need to decide start/end of week
        - Week starts Wed 5pm (offsite) , ends Mon 10pm (online)

5. Finalize communication plan
    - Google group - email distribution
    - Google Docs/Drive - upload and track all documents (including agenda, minutes, etc)
    - Discord/Zoom/Webex - Discussions/brainstorming/to-do and completed tasks

6. Version control
    - Git/Github

7. Find and discuss related works
    -

8. Brainstorm requirements
    - Put in “Project idea”

9. Discuss risks
    - New tools - not understanding/knowing how to use tools
    - Schedules - work and home life
    - Keep it simple/limit scope creep
    - Originality - what differentiates us from others?
    - Multiple user functionality - may be too time consuming
    - Limited time for project as a whole

10. Project criteria
    - Usefulness -
    - Complexity -
    - Originality -

11. Determine an approach/process to use
    - Agile with feedback/iteration
    - Deliver/update project with smaller iterations

12. Assign roles
    - Shawn(baymax@bu.edu) - Team leader
    - Siming (s1a1d1f1@bu.edu) - Requirement Leader
    - Youqing (yshaots@bu.edu) - Design and Implementation leader
    - Lijian(yao049@bu.edu) - Configuration leader
    - Dawei(davidyin@bu.edu) - QA leader
    - Haiyang Wang (whaiyang@bu.edu) - Security leader

Key Decisions:

- Project name is BOLTX -
- Time tracking
    - Week start on Wednesday
    - Week end on Monday
    - Get time to Shawn by noon on Monday
- Version control
    - Git/GitHub
    - Labels - java,XX,XX
- Communication Plan
    - Use Google group for email communication
    - Use Google Docs for task tracking (to-do and complete)
    - Use Webex and Zoom for discussions/brainstorming
    - Use Git/GitHub for document and code repository, version control
- Approach/process to use
    - Agile with feedback/iteration
- Roles assigned:
    - Shawn(baymax@bu.edu) - Team leader
    - Siming (s1a1d1f1@bu.edu) - Requirement Leader
    - Youqing (yshaots@bu.edu) - Design and Implementation leader
    - Lijian(yao049@bu.edu) - Configuration leader
    - Dawei(davidyin@bu.edu) - QA leader
    - Haiyang Wang (whaiyang@bu.edu) - Security leader

Action Items:

- Submit time to Shawn by noon on Monday - Siming,Youqing,Lijian,Dawei,Haiyang

Below is an example from a previous project (You shall delete this part in your meeting minutes)

Date and Time: 1/26/12 7 - 8PM
Place: Group Phone Call
Participants: Dan Spuches, Grace Hopkins, Craig Cato
Minutes taker: Dan Spuches
Time Keeper: Craig Cato
Purpose: Project Kickoff Meeting

Agenda:

- Determine group name
- Determine project name
- Provide effort hours so far
- Finalize communication plan
    - Google group vs. Trello
- Find and discuss related works
- Google code
    - Create project site
    - File a test bug
    - Check in/out a test document
- Brainstorm requirements
- Discuss risks
- Determine an approach/process to use
- Assign roles

Discussion:

- Determine group name
    - Is this the same as project name? Yes
- Determine project name
    - Yet another weight tracker - taken
    - Yet another weight program - YAWP
        - Don't want to make YAWP noise when you stand on the scale
    - BodyStats
    - Yet another weight history program
    - Yet another weigh-in program
    - Yet another weight oriented program
- Provide effort hours so far
    - Members will email hours spent so far to Grace
    - Need to decide start/end of week
        - Week starts Saturday, ends Sunday
- Finalize communication plan
    - Google group - email distribution
    - Google code - upload and track all documents (including agenda, minutes, etc)

    - Trello - Discussions/brainstorming/to-do and completed tasks
- Find and discuss related works
    - http://download.cnet.com/Weight-Tracker/3000-2129_4-10458217.html
    - weightchart.com
        - Web based
    - weightwatchers.com
        - Web based
    - Our project is standalone, not web based, open source (differentiator)
- Google code
    - Create project site
    - File a test bug
    - Check in/out a test document
    - SVN or GIT?
        - We will use SVN
        - Tortoise SVN for windows
    - What license will we use?
        - Apache 2.0
        - What are the terms?
        - Need to tag all works with the license text from http://www.apache.org/licenses/LICENSE-2.0
- Brainstorm requirements
    - Functional
    - Non-functional
    - Desktop java standalone client
    - Not networked
    - Single user per instance
        - Future - multiple users
    - Need to be able to enter weights
    - Calculate BMI
    - Charting over time
        - Export charts?
        - Daily weight change
        - Monthly weight loss
        - Trending of data
        - Projections
    - Target weight
    - Sounds?
        - Applause for loss
        - YAWP for gain
    - Computerize printed charts
    - Print charts/data
    - Export and save functions
    - Options
        - Configurable units
            - English vs metric
            - LBS vs KG vs Stones?

- Discuss risks
    - New tools - not understanding/knowing how to use tools
    - Schedules - work and home life
    - Keep it simple/limit scope creep
    - Originality - what differentiates us from others?
    - Multiple user functionality - may be too time consuming
    - Limited time for project as a whole
- Project criteria
    - Usefulness - nobody has yet found the best way to do it, there are a lot of other ones out there, none are right yet?
    - Complexity - will be sufficiently complex
    - Originality - it is original because Craig created the concept
- Determine an approach/process to use
    - Waterfall with feedback/iteration
        - Ability to revisit requirements and re-shuffle priorities
        - Need to build in the ability to respond to risks as they arise and difficult requirements
    - Possibly some agile concepts/aspects - prototype and test driven
    - JUnit testing - test driven development
- Assign roles
    - Grace - Leader and QA
    - Craig - Configuration Mgmt
    - Dan - Implementation

Key Decisions

- Project name is YAWP - yet another weight-tracking program
- Google code
    - https://code.google.com/p/yawp/
    - We will use SVN on Google code
    - Source code license - Apache License 2.0
    - Labels - health, academic, java
- Time tracking
    - Week start on Sunday
    - Week end on Saturday
    - Get time to Grace by noon on Sunday
- Communication Plan
    - Use Google group for email communication
    - Use Trello for task tracking (to-do and complete) and discussions/brainstorming
    - Use Google Code for document and code repository, version control
- Roles assigned:
    - Grace - Leader and QA
    - Craig - Configuration Mgmt
    - Dan - Implementation

Action Items:

- Review terms of Apache license - Dan, Craig, Grace
- Submit time to Grace by noon Sunday - Dan, Craig, Grace