**CS673 Software Engineering**

**Team 3 : StockPickers**

**Meeting Minutes:**

**Meeting 10 - 0.7 hour**

**Date and Time:** Sat. 06/11/2022 - 5th week

**Place:** Zoom call

<https://bostonu.zoom.us/j/96528253043?pwd=Vy9uRGdtQ2NRVkcvWXZrYzhPaXVFZz09>

Meeting ID: 965 2825 3043

Passcode: 563476

**Participants:**Sylvie Xiang, Duy Nguyen, Jing Tian

Minutes taker:Duy Nguyen

Timekeeper: Everyone

**Purpose**: Sprint 2 progress updates and reviews

**Agenda**:

1. Work review

2. Questions

**Discussions:**

1. Readme.md (updated) - done
2. Doc/CS673\_presentation2\_teamX - by to be done by Serguei
3. Doc/CS673\_SPPP\_teamX (updated) - done
4. Doc/CS673\_SPPP\_RiskManagment\_teamX(updated) - completed
5. Doc/CS673\_SDD\_teamX (updated) - To be updated by Sergeui
6. Doc/CS673\_STD\_teamX (updated) - done
7. Doc/CS673\_progressreport\_teamX(updated) - to be updated by Jing + Serguei
8. Doc/CS673\_meetingminutes\_teamX(updated) - done
9. Code/… : runnable source code (updated) - Sylvie will merge PRs

**Actions:**

| Action | Owner | Due Date |
| --- | --- | --- |
| Update readme to specify that the needed ports are fixed | Jing | 6/11/22 |
| Serguei update SDD with multiplicity and prepare presentation and demo | Serguei | 6/12/22 |
| Create readme for unit test directions for front end | Duy | 6/11/22 |
| Jing create directions on how to get configuration (API key) working | Jing | iteration\_3 |
| Make release and submit on blackboard | Jing | 6/13/22 |

**Questions:**

Who is submitting github release and blackboard submission for Iteration\_2?

Jing to make releases and blackboard submission

**Meeting 9 - 0.9 hour**

**Date and Time:** Tue. 06/07/2022 - 5th week

**Place:** Zoom call

<https://bostonu.zoom.us/j/96528253043?pwd=Vy9uRGdtQ2NRVkcvWXZrYzhPaXVFZz09>

Meeting ID: 965 2825 3043

Passcode: 563476

**Participants:** Serguei Chervachidze, Sylvie Xiang, Duy Nguyen, Jing Tian

Minutes taker: Duy Nguyen

Timekeeper: Everyone

**Purpose**: Sprint 2 progress updates and reviews

**Agenda**:

1. Any questions on the features

2. Work allocation

3. Questions

1. Readme.md (updated)
2. Doc/CS673\_presentation2\_teamX
3. Doc/CS673\_SPPP\_teamX (updated)
4. Doc/CS673\_SPPP\_RiskManagment\_teamX(updated)
5. Doc/CS673\_SDD\_teamX (updated)
6. Doc/CS673\_STD\_teamX (updated)
7. Doc/CS673\_progressreport\_teamX(updated)
8. Doc/CS673\_meetingminutes\_teamX(updated)
9. Code/… : runnable source code (updated)

**Discussion:**

1. Any questions on “Favorite” feature

2. Work allocation

- readme: Jing

update with more detailed instructions.

“Code folder structure is clear. Readme.md should include more details about technologies used, items needed to be downloaded by new developers and instructions on how to run the project. Think of it as set up for a new developer joining the team. Iteration 1 code released to the main branch”

-SDD: Serguei

* For multipolicy in the SDD diagram, include the multiplicity
* Add a sentence to the design pattern, do we have to have a design pattern? Ask the professor to confirm.
* Do we need to add anything to the class diagram? Answer: no, but update the class with new added methods.

-SPPP: Sylvie, Duy(revised according to comment)

* Sylvie just needs to overview to revise and overview
* Duy to revise the portion on defect management.

-STD: Sylvie: integration tests for both new features + Duy: unit test + Jing

* Sylvie to continue integration with two new features.
* Duy to look into unit test scripts that run all tests on all other files.
* Front end unit tests if possible. -Duy
* Manual tests - Jing

-ProgressReport: Sylvie + everyone fills own page(put 0’s+review comments)

- RiskM: Jing, Update as necessary

-Presentation: Serguei

Confirmed that Serguei will be in charge of the presentation. Confirmed

-Demo: Serguei

-Runnable code: already there

3. Question: deployment?

* Look into Deployment
  + Maybe this is something we can do next iteration

Maybe “print” feature by Sylvie

**Actions**:

| **Action** | **Owner** | **Due Date** |
| --- | --- | --- |
| Presentation+Demo | Serguei | 6/12/22 |
| Update UML with multiplicity | Serguei | 6/11/22 |
| Ask the Professor to make sure that : explaining that we do not have any design patterns is good enough for Design Pattern section of SDD | Sylvie | 6/8/22 |
| Continue with integration tests for 2 new added features and update STD | Sylvie | 6/11/22 |
| Update readme | Jing | 6/11/22 |
| MFA-set up on survey monkey | Duy | 6/11/22 |
| Jing to work out the configuration for the API key-check in 6/11 | Jing | 6/11/22 |
| Continue with Manual Testing for new features and update STD | Jing | 6/11/22 |
| Front End Unit Test and update STD | Duy | 6/11/22 |
| Finish Documentations | Everyone | 6/11/22 |

**Meeting 8 - 1 hour**

**Date and Time:** Sat. 06/04/2022 - 4th week

**Place**: Zoom call

<https://bostonu.zoom.us/j/96528253043?pwd=Vy9uRGdtQ2NRVkcvWXZrYzhPaXVFZz09>

Meeting ID: 965 2825 3043

Passcode: 563476

**Participants:** Jing Tian, Serguei Chervachidze, Sylvie Xiang, Duy Nguyen

**Minutes taker:** Jing

**Timekeeper:** Everyone

**Purpose:** Sprint 2 planning part 2 and progress updates

**Agenda:**

1. Individual progress update

- Implementation work allocation

- unit test PR

- integration test direction

1. Go over comments for all documentations

-SDD

-SPPP

-ProgressReport: please add "0"s in the task type cells. Jing & Serguei check comments

1. Questions

**Discussion:**

1. Individual progress update

- Implementation work allocation

Sylvie will do “save as favorite” feature, will have PR/screenshot in the next couple days

Another column will be added to the main table with empty stars, and user can select one or more stocks to highlight them.

- Readme

We need to add more information regarding technology used.

Need direction for the backend. Jing will do that.

- integration direction on Git

Duy will read and ask if any question

- unit test PR

Duy will keep doing api testings and unit test for frontend, more focused on the frontend testing.

- Backend configuration: API keys

Jing will try this.

1. Go over comments for all documentations

-SDD

Add a sentence for the design pattern

-SPPP

Duy will take care defect management details

-ProgressReport: please add "0"s in the task type cells

1. Questions

**Actions:**

Sylvie will ask the TA for what should do about the SDD class diagram

Add “0”s in progress report, Jing & Serguei check comments

Sylvie: “favorite” PR, modify user story, add comments, integration test

Jing: Readme, backend configuration design (according to 5-31 meeting)

Duy: more api testing and frontend testing

**Meeting 7 - 1 hour**

**Date and Time:** Tue 5/31/2022 - 4th week

**Place**: Zoom call

<https://bostonu.zoom.us/j/96528253043?pwd=Vy9uRGdtQ2NRVkcvWXZrYzhPaXVFZz09>

Meeting ID: 965 2825 3043

Passcode: 563476

**Participants:** Jing Tian, Serguei Chervachidze, Sylvie Xiang, Duy Nguyen

**Minutes taker:** Serguei

**Timekeeper:** Everyone

**Purpose:** Sprint 2 planning part 1 and progress updates

**Agenda:**

1. Any questions regarding the previous Sprint or this Sprint
2. Work allocation and check progress on each member
3. Any additional information

**Discussion:**

1. What are the next steps
2. Testing strategy
3. STD document
4. Features we need to implement.
5. Forecasting algorithm
6. Other learning objectives for Sprint 2

**Actions:**

1. Learn about FacebookProphet (look at the site)
2. Deliver the main required feature: forecasting (Serguei)
3. Finalize the testing document
4. Who is in charge of what document
   1. SPPP & Progress Report - Sylvie
   2. STD - Duy
   3. SDD - Serguei
   4. Risk management - Jing
5. Future actions:

* Serguei presentation 2 + whoever would like to help
* API testing - Duy
* Manual/Unit testing (not this week’s lab) - Duy + Jing
* Integration testing (not this week’s lab) - Sylvie

**Meeting 6 - 1 hour**

**Date and Time:** Sat 5/28/2022 - 3rd week

**Place**: Zoom call

<https://bostonu.zoom.us/j/96528253043?pwd=Vy9uRGdtQ2NRVkcvWXZrYzhPaXVFZz09>

Meeting ID: 965 2825 3043

Passcode: 563476

**Participants:** Jing Tian, Serguei Chervachidze, Sylvie Xiang, Duy Nguyen

**Minutes taker:** Jing

**Timekeeper:** Everyone

**Purpose:** Sprint 1 work review and progress updates

**Agenda:**

1. Confirm roles
2. Check individual work with all documentations
3. Update individual work with iteration submission
4. Update any individual work progress

* Any issue or improvement

1. Questions

**Discussion:**

1. Confirm roles

Jing will check with professor to see if there’s any requirement

1. Check individual work with all documentations

SDD: Team will read it by Sunday 2pm, and give suggestions if any.

STD: Finished draft, Sylvie will share a video later to demonstrate integration test

Risk Management: Scores and status are updated, categories are kept the same

SPPP: Updated.

1. Update individual work with iteration submission

Iteration 1 submission:

**1.** **Readme.md (updated)**

Finished by Sylvie, feel free to review

**2.** **Doc/CS673\_presentation1\_teamX**

Will be done by Mon. and review by the rest of the team

- Duy + Jing: presentation + demo

- send presentation record link

**3.** **Doc/CS673\_SPPP\_teamX (updated)**

Done

- adjust SPPP sections according to stories? (section3) – Sylvie did

- Sylvie modified section 1 - 3

- Update your own section if needed – Duy and Jing did

**4.** **Doc/CS673\_SPPP\_RiskManagment\_teamX(updated)**

Done

- any category changes? Need for SPPP section – Jing will be in charge of that part in SPPP from now on.

5. **Doc/CS673\_SDD\_teamX (new**)

* Team review by Sunday

**6.** **Doc/CS673\_STD\_teamX (new)**

Done

**7.** **Doc/CS673\_progressreport\_teamX(updated)**

Everybody finished their part.

**8.** **Doc/CS673\_meetingminutes\_teamX(updated)**

Done

**9.** **Code/… : runnable source code**

Done. Already merged all to main branch

1. Update any individual work progress

* Api link problem: we can use different key for api. (git ignore file can help us set up own keys without influence others)
* Sylvie will write another PR to update unit test code
* PR approver merges the PR

1. Questions

* One or two features need to be done in the next two weeks.

**Actions:**

Jing - email ask role

Duy + Jing - review SDD & presentation & link in the SPPP

Sylvie - progress report

- submit and release

Future actions:

- update unit test

- post a video

**Meeting 5 - 50 min**

**Date and Time:** Tue 5/24/2022 - 3rd week

**Place**: Zoom call

<https://bostonu.zoom.us/j/96528253043?pwd=Vy9uRGdtQ2NRVkcvWXZrYzhPaXVFZz09>

Meeting ID: 965 2825 3043

Passcode: 563476

**Participants:** Jing Tian, Serguei Chervachidze, Sylvie Xiang, Duy Nguyen

**Minutes taker:** Sylvie Xiang

**Timekeeper:** Everyone

**Purpose:** Sprint 1 planning part 2 and progress updates

**Agenda:**

1) Meeting minute person

2) Check on progress

* Stories (“display multi-plots”); which ones are required or optional;
* Chores

3) Confirm work allocation before Sat. Meeting

Iteration 1 submission:

1. Readme.md (updated)

Done

1. Doc/CS673\_presentation1\_teamX

should be done by Mon. and review by team?

* presentation record link

1. Doc/CS673\_SPPP\_teamX (updated)

should be done by Sat meeting to review

* adjust SPPP sections according to stories? (section3)

1. Doc/CS673\_SPPP\_RiskManagment\_teamX(updated)

should be done by Sat meeting

* any category changes? Need for SPPP section

1. Doc/CS673\_SDD\_teamX (new)

should be done by Sat meeting – Serguei?

1. Doc/CS673\_STD\_teamX (new)

should be done by Sat meeting

* Check now and assign section

1. Doc/CS673\_progressreport\_teamX(updated)

Should be done by Mon

1. Doc/CS673\_meetingminutes\_teamX(updated)

Done by Sat AFTER meeting

1. Code/… : runnable source code

Done by Sat. meeting

4) Learning objects reflects if there’s any

5) Questions

**Discussions:**

1) Check on progress

- Stories (“display multi-plots”) - set

- Update the ones are required or optional – everyone

- Chores – add any if you think you or the team should do – everyone

2) Confirm work allocation before Sat. Meeting

Iteration 1 submission:

**1.** **Readme.md (updated)**

Finished by Sylvie, feel free to review

**2.** **Doc/CS673\_presentation1\_teamX**

Will be done by Mon. and review by the rest of the team

- Duy + Jing: presentation + demo

- send presentation record link

**3.** **Doc/CS673\_SPPP\_teamX (updated)**

Will be done by Sat meeting to review

- adjust SPPP sections according to stories? (section3) – Sylvie will

- Sylvie will take over section 1 - 3

- Update your own section if needed – Everyone

**4.** **Doc/CS673\_SPPP\_RiskManagment\_teamX(updated)**

Will be done by Sat meeting

- any category changes? Need for SPPP section – Jing will be in charge of that part in SPPP from now on.

5. **Doc/CS673\_SDD\_teamX (new**)

Draft will be done by Sat meeting for team to review – Serguei

**6.** **Doc/CS673\_STD\_teamX (new)**

Will be done by Sat meeting

* Check now and assign section:

- Duy do 1st and 2nd section

- Jing do 2nd section too

- Sylvie do 3rd section

- Duy do 4th section

**7.** **Doc/CS673\_progressreport\_teamX(updated)**

Should be done by Mon — Sylvie and everyone fill out their page

**8.** **Doc/CS673\_meetingminutes\_teamX(updated)**

Done by Sat AFTER meeting – To be assigned

**9.** **Code/… : runnable source code**

Done by Sat. meeting – Sylvie merge all to main branch

4) Learning objects reflects if there’s any

5) Questions

GitHub submission and Release — Sylvie

Blackboard — Duy

Next meeting: after Sat class

**Action:**

Please refer to discussion part 2)2 - 2)5

**Meeting 4 - 1 hour**

**Date and Time:** Sunday 5/22/2022 - 2nd week

**Place**: Zoom call

<https://bostonu.zoom.us/j/97520534999?pwd=NER0NDZhdklBYy9VVldVdFRFTDRIUT09>

**Participants:** Jing Tian, Serguei Chervachidze, Sylvie Xiang, Duy Nguyen

**Minutes taker:** Sylvie Xiang

**Timekeeper:** Everyone

**Purpose:** Code Demo

**Agenda:**

Go over front and back end code for the application

**Actions:**

Put running directions in backend readme file

**Meeting 3 - 1 hour and 30 min**

**Date and Time:** Tue 5/17/2022 - 2nd week

**Place**: Zoom call

<https://bostonu.zoom.us/j/96528253043?pwd=Vy9uRGdtQ2NRVkcvWXZrYzhPaXVFZz09>

Meeting ID: 965 2825 3043

Passcode: 563476

**Participants:** Jing Tian, Serguei Chervachidze, Sylvie Xiang, Duy Nguyen

**Minutes taker:** Sylvie Xiang

**Timekeeper:** Everyone

**Purpose:** Sprint 1 planning part 1

**Agenda:**

1) Reassign team roles

2) Feature user stories assignment

· Forecast

· Plot multiple stocks

· Download multiple stocks

· Save as favorite

· Log in page

· Get data for unlimited multiple set of stocks

· Printing

·

3) Work allocation before next meeting

4) Learning objects for this week

5) Questions/Anything

**Discussions:**

**1) Reassign team roles**

Jing - configuration leader

**2)**   **Feature user stories assignment**

· Forecast - Serguei

· Plot multiple stocks - Serguei

· Download multiple stocks - Jing

· Save as favorite - Jing

· Log in page - Sylvie

· Get data for unlimited multiple set of stocks - Sylvie

· Print - Duy

· choose multiple forecasting algorithms - Duy

Chore:

* add deployment
* Create any chore and/or put your names on the ones you are doing or want to do

**3) Work allocation before next meeting - Sunday before class 7pm**

* Change the current stories on PivotalTracker to chores - serguei
* Do documents:

1. SDD draft: Serguei
2. STD draft: next week; write about manual testing (or selenium - let sylvie check if it is feasible for our project), focus on back end testing
3. SPPP: same sections as last iteration
4. RiskManagement: Jing
5. Meeting\_minute: sylvie
6. Progress\_report: sylvie with everyone finishing their named sheet
7. Runnable code: ask on Sunday
8. Readme: remove igor - sylvie
9. Presentation: Duy and Jing to prepare

**4) Learning objects for this week**

Django, unit test, (sylvie- maybe selenium), sprint, fb prophet (watchout download requirement)

**5) Questions/Anything**

Sprint planning meeting at the beginning of each iteration

Demo sprint, demo stories on PivotalTracker

Email about new role

**Action Items:**

For required actions, please refer to “discussion” section part 2 and part 3 above.

For learning actions, please refer to part 4 above.

**Meeting 2 (1.5 hrs)**

**Date and Time:** Sunday 5/15/2022

**Place**: Zoom call

<https://bostonu.zoom.us/j/97734073406?pwd=cVRjRGVaMTRTRGJhd3drMHBNL0U0QT09>

Meeting ID: 977 3407 3406

Passcode: 269065

**Participants:** Jing Tian, Serguei Chervachidze, Igor, Sylvie Xiang, Duy Nguyen

**Minutes taker:** Duy Nguyen

**Timekeeper:** Everyone

**Purpose:** Progress update for Iteration\_0 and preparation for iteration\_1

**Agenda:**

1) Check progress on each member’s work for iteration 0 and ask questions if there are any

2) Design Framework

3) Confirm review and submission deadlines

4) Submission person

5) User stories, convert into tasks/features before iteration1 planning meeting

6) Questions

**Discussions:**

**1) Check progress on each member’s work for iteration 0 and ask questions if there is any**

* Overview is fine.
* Features - add in favorite stock for the optional section.
* Serguei started stories on Pivotal trackers.
* Let's start creating stories for updating documents, anything that we work on.
* Sylvie to switch stock favorite in her SPPP section
* Make suggested changes on google docs

**2) Design Framework**

* Django
* Serguei will set up a code review session and overview with Django.

**3) Confirm review and submission deadlines**

* Presentation will be completed by Sylvie on 5/16
* Everyone needs to check submission files by noon/1pm on 5/16.
* Igor needs to complete progress report
* Check presentation by 5/16 evening

**4) Submission person**

* Sylvie will be submitting

**5) User stories, convert into tasks/features before iteration\_1 planning meeting**

**6) Questions**

* Do we want to make a sprint meeting Tuesday after class? Yes
* Start at 9:30-9:45 PM for a sprint meeting. (make sure everyone to start looking at PivotalTracker)
* Demo of downloading Django/Anaconda

**7) Actions:**

| ***Action*** | ***Owner*** | ***Due Date*** |
| --- | --- | --- |
| Add self-introduction in “team.md” | Serguei, Igor | 5/16 1PM |
| Complete presentation by | Sylvie | 5/16 |
| Review submission documents | Everyone | 1PM 5/16 |
| Check and review completed presentation | Everyone | Afternoon 5/16 |
| Complete Progress Report | Igor | EOD 5/15 |
| Implement suggested changes | Anyone with suggested changes | EOD 5/15 |
| Remove reference to favorite stock as a main feature | Sylvie | EOD 5/15 |
| Set up overview session for codes and Django | Serguei | 5/21 |

**Meeting 1 – 1 hour and 40 min**

**Date and Time:** Friday 5/13/2022

**Place**: Zoom call

<https://zoom.us/j/93914512896?pwd=ejBIcytRNzNZSkdhK1NBN0tZclljdz09>

Meeting ID: 939 1451 2896

Passcode: 84uvJn

**Participants:** Jing Tian, Serguei Chervachidze, Igor, Sylvie Xiang, Duy Nguyen

**Minutes taker:** Sylvie Xiang

**Timekeeper:** Everyone

**Purpose:** Project Kickoff Meeting

**Agenda:**

1) Introductions- each team member gives a brief introduction on background.

2) Identify project topic

· Start from scratch – what do we want to create

· Work from existed – code review to see how tested and maintainable the code is and are there any known bugs (required time to fix), in order to continue development

· IDE

3) Work allocation

· Project proposal (SPPP) sections

· Should maybe finish Risk sheet together

· Progress report complete by team leader (with all teammates filling out the “studentname” sheet)

· presentation

· meeting minutes sheet

4) Merge code method

· Which branch to use (i.e. everyone has own branch, merge branches into development, then merge development into main once a week)

· Pull request approval (how many people or do we want it, who)

5) Questions (team name/logo, PivotalTracker or not, communication)

6) Set up next meeting(or work review deadline) & set next week’s meeting

**Discussions:**

1) Introductions- each team member gives a brief introduction on background.

2) Identify project topic:

· Serguei prebuild stock getter and add in forecasting with Facebook Prophet. Currently the application uses javascript, can plot price and download data.

· Adding price forecast, save forecast data and plots (locally)

· Optional features: login page, different colors of plots, deployment

· IDE: VS code or anything else that people are more comfortable with

3) Work allocation for each document:

· Project proposal (SPPP) sections, as shown in the document

· Finished Risk sheet together and Jing will finalize this document

· Progress report will be completed by Sylvie (with all teammates filling out the “studentname” sheet)

· presentation will be done by Sylvie

· meeting minutes sheet will be done by Sylvie

4) Merge code method

· Have a branch for each feature. When you develop something, you should create a branch, create pull requests, and merge.

· 1 pull request approval needed, all team members can approve

5) Created team name

6) Using PivotalTracker as project management tool

7) Set up the next meeting and work review deadline: Sunday after class.

8) set next week’s meeting: 2 meetings after class, and Friday as needed.

9) Questions:

* Are there any known bugs? No
* How well tested is the program? There are no unit tests so far, need.
* How do we calculate unit test coverage? Percentage of lines covered

**Key Decisions:**

* Project topic: US stock prices and forecast application
* Features: add favorite stocks, price forecast, save forecast data and plots (locally)

optional feature: login page, different colors of plots, deployment

* Work allocation for iteration 0
* Merge code method

**Action Items:**

* Everyone to finish “studentname” in progress report, their own designated part in the SPPP, and sign up PivotalTracker. By Sunday.
* Jing to upload Risk Management by Sunday
* Sylvie to upload Meeting Minutes, Progress Report by Sunday, and presentation by Monday.
* Meeting 2 on Sunday after class.
* Serguei to upload code
* Everyone to familiarize the existing code, to learn Django and Python unit test