**CS673F13 Software Engineering**

**Group Project 1 (Project name Diabetes Management)**

**Meeting Minutes**

**Week 5 (10/11 - 10/17 )**

**Date and Time:** 10/17, 5-6:00, 9:30-10

**Place:** BU engineering building

**Participants:** Wenjie Shi, Yulu Liu, Jeff Andre, Yehuan Huang,Yingyuan Zhang, Maura Huff, Bogdan Chayka, Jason Lu, Yike Xue

**Minutes taker:** Jeff

**Timekeeper:** Maura

**Purpose：**Final changes for demo and presentation

**Agenda:**

* Work on demo
* Presentation
* Next stories for iteration 2

**Discussions:**

* Practice presentation and demo
* Patient visit story
* User management
* Input validation & date selector
* Algorithm integration

**Key Decisions**

* demo and presentation done
* Start work on next stories

**Action Items:**

* Make better detailed wireframe for visit stories - Maura
* Allan to work on visit controller with help from Bogdan - Allan
* Input validation - Yulu
* Work on model for visits - Eva
* Integrate algorithm into cakePHP framework - Jeff
* Fix bugs in update patient - Tommy
* Finish User management - Jason

**CS673F13 Software Engineering**

**Group Project 1 (Project name Diabetes Management)**

**Meeting Minutes**

**Week 5 (10/11 - 10/17 )**

**Date and Time:** 10/16, 3:30-5:30

**Place:** BU engineering building

**Participants:** Jason, Maura, Wenjie Shi, Jeff Andre, Tommy, Allen

**Minutes taker:** Jeff

**Timekeeper:** Maura

**Purpose：**Final changes for demo and presentation

**Agenda:**

* Work on demo
* Presentation

**Discussions:**

* Worked on changes for demo
* Made list of changes to do
* Presentation updates

**Key Decisions**

* Finalize demo and presentation

**Action Items:**

* Make updates for demo - Maura, Tommy
* Finish presentation - Jeff

**CS673F13 Software Engineering**

**Group Project 1 (Project name Diabetes Management)**

**Meeting Minutes**

**Week 4 (10/4 - 10/11 )**

**Date and Time:** 10/10, 5:00pm-6：8:00pm-9:30pm

**Place:** Classroom

**Participants:** Bogdan Chayka, Jason, Yike Xue, Wenjie Shi, Yulu Liu, Jeff Andre, Tommy, Allen

**Minutes taker:** Yulu, Jeff

**Timekeeper: Maura**

**Purpose：Check the progress and make plans**

**Agenda:**

* Discuss the database
* Report the week process
* Make plans for next week
* Presentation

**Discussions:**

* The new modified database
* Insert CSS style to PHP
* Presentation
* Main page changes
* Search patient returns one patient
* Submitting/checking bugs in Git for testing

**Key Decisions**

* Using Netbeans project with php plugin
* Everyone will begin working on their pivotal tracker pages
* Assigned parts of presentation
* Register new user done by admin, no link on web page for now

**Action Items:**

* Update controller for new database - Jenny, Jason
* Update model for new database - Eva
* Make UI main page changes - Maura
* Search page returns one patient - Maura
* Finish Add and view patient - Yulu
* Finish Update patient - Tommy
* Presentation - Jeff, Maura, Bogdan, Yulu, Tommy

**CS673F13 Software Engineering**

**Group Project 1 (Project name Diabetes Management)**

**Meeting Minutes**

**Week 4 (10/4 - 10/11 )**

**Date and Time:** 10/6, 2:30pm-5:30pm

**Place:** Engineering Building

**Participants:** Yulu Liu, Tommy, Maura

**Minutes taker:** Maura

**Timekeeper:** Lulu and Tommy

**Purpose:** UI Dev Team Meeting

**Agenda:**

* Review Pivotal Tracker/Assignments
* Review and Setup Dev Environment
* Review and begin UI development

**Discussions:**

* UI tasks assigned in Pivotal Tracker were approved by team members
* Netbeans php plugin and project setup
* Syncing with Repository and Conflict Management
* UI Views and initial development

**Key Decisions**

* Using Netbeans project with php plugin
* Everyone will begin working on their pivotal tracker pages

**Action Items:**

* Begin development on pivotal tracker tasks
* Check-in Tuesday evening to discuss progress/holdups
* Maura will make a UI Flow Chart to review on Thursday

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**Group Project 1 (Project name Diabetes Management)**

**Meeting Minutes**

**Week 3 (9/28 - 10/4 )**

**Date and Time: 10/3, 8:45pm-9:15pm**

**Place: In class**

**Participants: Bogdan Chayka, Yike Xue**

**Minutes taker: Yike Xue**

**Timekeeper: Bogdan Chayka**

**Purpose: Weekly meeting iteration 1 database section**

**Agenda:**

**1. Discuss the database schema we designed last week**

**2. Make some improvement of some tables**

**3. Roughly design a more complete DB schema**

**4. Discuss the function we will use in a model**

**Discussions:**

**The feedback that the other group members gave to our design**

**Reasons why some fields have to be some specified types**

**How to improve the security of our database**

**How to generate the patient\_number**

**Next week schedule**

**Key Decisions**

**Build a new database - Bogdan**

**Implement new models of updated tables - Eva**

**Design the generatePatientNumber function for Patient model - Eva, Bogdan**

**Action Items:**

**Discuss and draw the UML**

**Analyze the patient\_number generation function**

**CS673F13 Software Engineering**

**Group Project 1 (Project name Diabetes Management)**

**Meeting Minutes**

**Week 3 (9/28 - 10/4 )**

**Date and Time:** 10/3, 5pm-6pm, 8:45-9:30

**Place:** In class

**Participants:** Bogdan Chayka, Jason, Yike Xue, Wenjie Shi, Yulu Liu, Jeff Andre, Tommy, Allen

**Minutes taker:** Jeff Andre

**Timekeeper:** Wenjie Shi

**Purpose:** Project design and Implementation, and team assignments

**Agenda:**

* Review Pivotal Tracker/Assignments
* Review Status & Issues
  + UI
  + Controller
  + Database/Model
* Architecture Overview and cakePHP framework

**Discussions:**

* UI tasks assigned in Pivotal Tracker were approved by team members
* Controllers should be divided into PatientsController, UsersController and VisitsController
* UI, Controller, Model teams set up separate meetings.
* Model and database was discussed by Eva and Bogdan
* Architecture and how to design the controller, views, and model in cakePHP framework

**Key Decisions**

* PatientsController – Jenny, UsersController – Jason, VisitsController - Allen
* Everyone agreed on Pivitol Tracker stories for iteration 1
* UI forms should be done standard way, and do not use cakePHP form helper
* Model for database should be done by Eva
* Database implementation in MySQL tables by Bogdan

**Action Items:**

* Jason to lead Controller design and set up meeting
* UsersController done for 1st iteration - Jason
* PatientsController done for 1st iteration - Jenny
* VisitsController done for 2nd iteration - Allen
* Yulu to lead UI/View design and set up meetings - Yulu
* UI members are assign owners of stories in Pivotal tracker - Yulu
* Update Architecture - Jeff
* Update SPMP - Jeff, Eva, Jason
* Implement MySQL database - Bogdan
* Implement Models - Eva

**CS673F13 Software Engineering**

**Group Project 1 (Project name Diabetes Management)   
Meeting Minutes**

**Week 3 (9/28 - 10/4 )**

**Date and Time:** 9/28, 10:30am - 1:00am

**Place**: In college of Engineering Building

**Participants:** Bogdan Chayka, Jason, Yike Xue, Wenjie Shi, Yulu Liu, Jeff Andre, Tommy, Allen,Maura Huff(By remote divice “Team Viewer”)

**Minutes taker:** Yike Xue

**Timekeeper:** Wenjie Shi

**Purpose:** Learning version control techniques and Environment setting up

**Agenda:**

1. Assign tasks
2. Learn to use Git/GitHub
3. MVC lecture

**Discussions:**

* Tasks for the first iteration
* How to use Git/GitHub in detail
* MVC and PHP
* Questions and discussion

**Key Decisions**

* Made team assignments
* How to use Git/GitHub for version control
* MVC structure

**Action Items:**

* Assign tasks - Jeff
* Set up Git/GitHub - Jason
* Using Braches(Maybe in the later iterations) - Jason
* Deployment Technique(Capistrano - ssh → server --Git-->GitHub) - Jason
* Deploy configuration file for the project - Jason
* Learn how to resolve conflicts(in Git) - Jason
* MVC introduction(using CakePHP) - Jason

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**Group Project 1 (Project name Diabetes Management)**

**Meeting Minutes**

**Week 2 (9/20 - 9/27)**

**Date and Time:** 9/26, 5:00pm – 6:00pm, 9:00pm – 10pm

**Place**: GCS, Room 209

**Participants:** Bogdan Chayka, Jason, Yike Xue, Wenjie Shi, Yulu Liu, Jeff Andre, Alllen, Maura Huff, Yehuan Huang

**Minute’s taker:** Maura Huff

**Timekeeper:** Jason

**Purpose:** Presentation Preparation

**Agenda:**

1. Check-in

2. Runthrough and Review Presentation

a. Bogdan - project overview, description, related work, risks

b. Jenny - SQAP (metrics, standards)

c. Eva - SQAP (inspection and review process, testing, defect management)

d. Jason - SCMP (Version Control System overview, Branch Policy, Deploy Policy, Capistrano)

3. Discuss wireframes

4. Review Customer Meeting

a. UI needs log in page

b. Algorithm result needs to be editable

5. Briefly discuss wireframs

a. Possibly simplify color and design

6. Determined and tested screensharing for Saturday meeting

7. Discuss tasklist and which parts everyone would want to work on

a. Jeff - algorithms and database

b. Bogdan - database, and algorithms

c. Eva - database

d. Jason - Controllers (overseeing MVC development)

e. Maura - UI

f. Allen - database

g. Lulu - UI

h. Jenny - Controllers

i. Tommy - UI

**Action Items:**

● Determine which tasks everyone will handle

● Meeting scheduled for Saturday 10:00am-1:30pm to go over Git Repository - presentations by Jason

**CS673F13 Software Engineering**

**Group Project 1 (Project name Diabetes Management)**

**Meeting Minutes**

**Week 2 (9/20 - 9/27 )**

**Date and Time:** 9/20, 4:30pm – 5:00pm

**Place**: Fuller Building. Room 256.

**Participants:** Bogdan Chayka, Jason, Yike Xue, Wenjie Shi, Yulu Liu, Jeff Andre, Alllen,

**Minute’s taker:** Yulu Liu

**Timekeeper:**

**Purpose:** Extra third meeting

**Agenda:**

1. Next week agenda.

2. Environment Setting.

3. UI wireframe.

4. Next meeting schedule: Sep. 28th. 10:00am.

**Action Items:**

● Jason will set up a server before 21st.

● Jason will give a Git Hub tutorial next meeting.

● Everyone need to settle the local environment.

● Bodgan will come up with simple version wireframe.

● Yulu will reserve the meeting room for next week.

**CS673F13 Software Engineering**

**Group Project 1 (Project name Diabetes Management)**

**Meeting Minutes**

**Week 2 (9/20 - 9/27 )**

**Date and Time:** 9/20, 3pm – 4:30pm

**Place**: Fuller Building. Room 256.

**Participants:** Bogdan Chayka, Jason, Yike Xue, Wenjie Shi, Yulu Liu, Jeff Andre, Alllen, Prof Yuting Zhang, Prof.Guanglan Zhang

**Minute’s taker:** Yulu Liu

**Timekeeper:**Yike Xue

**Purpose:** Third meeting

**Agenda:**

1. Jeff Introduce project to everyone, Prof. Guanglan Zhang add comment.

2. Current problem the project is facing.

3. Prof Guanglan Zhang introduce the operating scenario:

Brief Health Information.

Motivation of the project.

Type II Algorithm.

4. First iteration task.

5. Work with Prof Guanglan Zhang on Pivotaltracker.

**Discussions:**

● Prof. Guanglan Zhang introduced the security problem the database having now.

Need to enhance the database security both on server and client side.

● Prof.Yuting Zhang came up with the problem: who has the qualification to enter.

Basically, everyone. Final version: only BU students.

● How to enter the patient information.

Now by doctor manually.

● Feature requirement according to operating scenario:

TypeII patient: life time work1) blood sugra every 2-3 weeks.

2) Weight over time.

2) Plot data graph over time. (Decision could be made on the plan)

Time related data: Blood sugar, weight, allergy, side effects, and medical history.

Not time related: Name, gender etc.

● UI starting: wireframe. Previous page loss problem need to be solved.

● Jeff explained Glycemic Control Algorithm. And this is what we need at first.

● What kind of output. Therapy displaying. Doctor notes. Separate for multiple medicine.

● Graphic display.( Maura may have more advice on this field).

If just displaying result, students don’t know why.

So better display process.

eg. Algorithm dataflow according to different data input (highlights the flow)

● Button to run the algorithm: just for individual patient, not all the patient data.

● Current Database (using PHP): Need to generate rules/limitation for the input.

**Key Decisions**

● User Story together with Prof Guanglan Zhang

● Iteration 1 task settlement.

● UI requirements.

● Database security problem.

**Action Items:**

● Jason will come up with a list of security problem to be considered.

● Iteration 1: 1) database. Not very detail, could exclude drug allergy, side effect etc.

2) Registration: Gender, Name, Birth, Visit date, Race.

3) Security Login

4) BMI and A1C two calculator

● Add Prof Guanglan Zhang to Pivotal tracker to discuss together.

● UI starting. Bodgan will create wireframe first and put it to Pivotal tracker.

**CS673F13 Software Engineering**

**Group Project 1 (Project name Diabetes Management)**

**Meeting Minutes**

**Week 1 (9/13 - 9/19 )**

**Date and Time:** 9/19, 8:45pm - 10pm

**Place**: In classroom

**Participants:** Bogdan Chayka, Jason, Yike Xue, Wenjie Shi, Yulu Liu, Jeff Andre, Alllen, Maura Huff

**Minutes taker:** Yulu Liu

**Timekeeper:** Yike Xue

**Purpose:** Planning phase items

**Agenda:**

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1. SPMP Document Labor to each person

2. Risk Consideration

3. Iteration 1 Labor

4. User story Labor on PivotalTracker.

**Discussions:**

● Next week work summary.

● Risk aspects to be considered:

1) Algorithm Risk

2) Database Risk

3) UI Risk

4) Security Risk

5) Adding new features-----managing expectations

6) Back up for tasks

● Project processing flow:

Website running with only login register function.

Database and Algorithm

Connect the whole system

● Iteration 1 Task.

What to be done and who will do what..

**Key Decisions**

● Write SPMP Document

● Start Writing User Stories, decide priority and estimate time.

● Iteration 1 preparation.

**Action Items:**

● Write SPMP Document. Due before Monday Evening. Everyone could add details.

Jeff and Bodgan will write 1-4

Configuration: Jason

Standard: Maura

Metrics: Wenjie Yike (Product sides, Process sides)

Testing: unit testing, feature testing(user story), system testing

● Using PivotalTracker to write user story-----Allen

● Iteration 1 Work:

1) UI basic website established. Jason came up with MVC( model vision control)

2) Presentation. ----Wenjie and Yike

3) Finish SPMP Document.---Everyone

**CS673F13 Software Engineering**

**Group Project 1 (Project name Diabetes Management)**

**Meeting Minutes**

**Week 1 (9/13 - 9/19 )**

**Date and Time:** 9/19, 5pm - 6pm

**Place**: In classroom

**Participants:** Bogdan Chayka, Jason, Yike Xue, Wenjie Shi, Yulu Liu, Jeff Andre, Alllen

**Minutes taker:** Yulu Liu

**Timekeeper:** Yike Xue

**Purpose:** Planning phase items

**Agenda:**

5. Introduce project status to new member.

6. Check the Git Hub using status.

7. Further Configuration Settlement (environment setting).

8. Start UI Programming.

9. Meeting Agenda together and separately.

10. Labor Delivery to each person.

**Discussions:**

● Jeff explained the Project details to new member Allen.

● Jason explained how to set up the Configuration.

Local environment set up. Install XAMPP.

● Version Control Detail Discussion using GitHub.

Need solved by hand if file is changed at almost same time.

● What to expect in tomorrow’s meeting with Prof.

Prepare the puzzle questions, got idea about the generate process.

**Key Decisions**

● Configuration Settlement

● Project Starting

● Meet with Prof.

**Action Items:**

● Finish Configuration Settlement for everyone. (XAMPP version 1.8.3 with PHP version 5.5.3) – Jason will give detail instruction

● Project starting: UI first, at least 3 people.

Basic Login Patient Information. – Bogdan Yulu

Bootstrap to be considered - Jason

● Prepare Questions and puzzles for tomorrow - everyone

● Document SPMP Labor. Bogdan and Jeff together for 1-4.

**CS673F13 Software Engineering**

**Group Project 1 (Project name Diabetes Management)   
Meeting Minutes**

**Week 0 (9/6 - 9/13 )**

**Date and Time:** 9/12, 8:30pm - 9:30pm

**Place**: In class

**Participants:** Bogdan Chayka, Jason, Yike Xue, Wenjie Shi, Maura Huff, Yulu Liu, Jeff Andre

**Minutes taker:** Jeff Andre

**Timekeeper:** Maura

**Purpose:** First meeting

**Agenda:**

1. Introduce members
2. Pick version control
3. Decide roles
4. Overview of project
5. Communication plan

**Status:**

* **…**
* **..**

**Discussions:**

* Jason explained how to use GIT
* Overview of project and main parts
* Team assignments
* Bogdan explained EHR/EMR examples

**Key Decisions**

* Use GIT for version control
* Made team assignments
* Use email and Google docs for communication

**Action Items:**

* Set up GIT - Jason
* EHR/EMR examples - Bogdan
* Get requirements from customer - Jeff
* Project Proposal - Jeff
* Post example web site - Jeff
* Send local GIT install instructions - Maura