**CMPT 371 – Meeting Notes**

**January 10th /17 🡪 4:00 – 5:00 (1 hour)**

What we, as individuals, can offer to the team:

* Kristof 🡪 Dev Lead 🡪 Java, Python, a bit of web dev, good problem solver
* Jeremy 🡪 Test Lead 🡪 wants to be on the test team, is organized
* Melody 🡪 Dev Team 🡪 Is good with version control, has done significant development, wants to be on the dev team, is not a native English speaker so can’t write documents
* Chris J 🡪 Test Team 🡪 doesn’t want to be a team lead, has some dev experience
* Tushita 🡪 Manager 🡪 wants to be team leader but would also like to code, so isn’t sure at the moment
* Dylan 🡪 Dev Team 🡪 Back end web development, Java, wants to be a developer, also interested in testing because he wants experience, would like to switch between the two
* Chris M 🡪 Dev Team 🡪 doesn’t want to do testing, likes to be active in multiple areas
* Ryan 🡪 Test Team 🡪 good at writing, not the most organized, wants to do development
* Justin 🡪 Dev Team 🡪 not a leader, not a native English speaker
* Arianne 🡪 Dev Team 🡪 UI, Java, C, writing docs, organization

Role Assignment:

* Project Manager: Tushita
* Dev Lead: Kristof
* Dev Team: Melody, Dylan, Justin, Arianne
* Test Lead: Jeremy
* Test Team: Chris J, Ryan
* Build Manager: Chris M

Project Selection:

* **Vendasta**
  + **Email Proxy System**
  + Hesitant because of the server aspect
* **Aura Technologies**
  + **Content Acquisition for Augmented Reality**
  + Questions:
    - Are the models being given to us or do we need to generate them?
    - Will you provide VR headsets or other relevant equipment?
    - Do you want an iOS app or website or both?
    - If website, does it need to be backwards compatible?
    - We are adding onto an already existing app?
    - What are we working with to start off?
* **Kasper**
  + **Canada’s Mortgage App**
  + Looks doable
* **Department of Anesthesia** 
  + Form a database and store information on problems with anesthesia
  + Questions:
    - Is there already a server in place for us to use?
    - What specifically are we storing?
    - Is there already a system in place where everyone already has an account?
* **Promoting Safety in Long-Term Care**
  + Looks like one of the easier projects but the group in general doesn’t seem interested
* **Tool for 3D Visualization of “Embedded” Time Series**
  + Requirements seem relatively finished, so there’s a good sense of direction
  + If we are all committed to learning as much as possible, this would be a top choice
  + Questions:
    - What is the overall presentation (what should it look like)?
    - Where is the data coming from and how can we obtain it?

General Questions:

* Are there more projects coming?

Next Meeting 🡪 Friday January 13th @ 3:30pm

**January 13th /17 🡪 3:30 – 4:30 (1 hour)**

Project Discussion:

* Today we will discuss projects in detail
* Tushita will set up voting for team members to choose their favourite project – all members should vote by tomorrow (Saturday) night
* Project’s Pros and Cons:
  + Kasper Tinder Property Viewing:
    - + easy breakdown of modules
    - + fun to work on
    - + android and iOS experience
    - + flexible
    - Questions:
      * Could we implement either iOS or Android, instead of doing both?
  + Vendasta Proxy Email:
    - + potential job opportunities
    - + professional environment
    - - SMTP proxy server knowledge
    - +/- no UI’s
  + Anesthesia:
    - + non-profit
    - - server requirements
    - - security
    - +/- iOS and Android versions
    - +/- HIPPA Guidelines
    - Questions:
      * Is security something we need to plan for?
  + ~~Osgood’s Visualization:~~
    - ~~+ learn Scala~~
    - ~~+ good breakdown of modules~~
    - ~~+ valuable and practical feedback~~
    - ~~- memory management~~
  + ~~Aura Augmented Reality:~~
    - ~~+ work with Kryztof Voss~~
    - ~~- complicated~~
  + ~~Polytenna:~~
    - ~~+ relatively easy~~
    - ~~+/- lots of UI development~~

Other Topics:

* Jeremy should look into testing tools presented in class
* After project is selected, all group members should start thinking about requirements for phase 1 and bring these ideas to Monday’s meeting
* Inspection will occur on rough draft of requirements
* Dev team and test team start thinking about what the project implications are
* Start thinking about requirements and their implications on Design soon
* Source tree

Next meeting 🡪 Monday January 16th /17 @ 5:00

**January 10th /17 🡪 5:00 – 6:30 (1.5 hours)**

Discussion about Kasper:

* We can do a base outline of the swiping mechanism, buttons, other functionality
* All storage is done in the data base which we don’t have access to yet
* They already have an app which we can view in order to use their coding standard and so that our app works with their system
* Before swiping, there are filter checks (i.e. bedrooms, bathrooms, etc.)
* We can be creative and make it interesting:
  + Buttons vs. swiping if that looks cooler
* Existing apps to look at:
  + Zillow (good example)
  + Realtor.ca (not a good example)
* Back end uses Ruby
* Their code is on github
* Questions:
  + Is there something we can use that converts a code base into both an android and iOS compatible product?
  + We shouldn’t be working with existing data, but we’re not sure.
* Basic needs:
  + Basic set up
  + Filter
  + Swipe feature
  + Database

REQUIREMENTS:

* Requirements for Phase 1:
  + Basic set-up
  + Swipe feature
  + Buttons
  + Fake data
    - Location
    - Price
    - Bedrooms
    - Bathrooms
    - Square feet
* Future Requirements:
  + How can we integrate with google maps?
  + Schedule a viewing feature
  + If a user has liked a house and something about the house changes (change will occur in the database) user needs to get a notification about the change

Next meeting 🡪 Tuesday January 17th /17 @ 4:00

**January 17th /17 @ 4:00 – 5:00 (1 hour)**

Ryan has volunteered to be the Risk Assessment Manager

Risk Assessment Inspection:

* Two aspects to risks:
  + 1) How severe
  + 2) How probable
* Two methods of handling risks:
  + 1) Mitigation
  + 2) Contingency Plan
* 10 risks assessed per phase (minimum)
* Tushita will create a risk channel on slack to jot down risk ideas

**January 20th /17 @ 3:30 – 5:30 (2 hours)**

* 1 code review is mandatory for everyone
  + Everyone needs to sign up on the spreadsheet
* 1 – 2 risk scans for every ID
* Deadline for development needs to be set
  + ID 2 due on Feb 5th /17
* Code due for ID one – Thursday Feb 2nd (day -5)
* Triage meetings – Saturday afternoons (day -2)
* Pair programming sessions:
  + 1 – 2 per person per ID
  + See text file in git repo (called Pair Programming sessions)
  + Good idea to have a dev/test combo
* Project Documentation:
  + On git
* Checklist folder:
  + Check back every couple of days and make sure you’re on top of everything
* Tuesday presentations:
  + Everyone needs to present at least one
  + Sign up in the sign up sheet (371 Kasper)
* Everyone needs to document the work they’ve done
  + Activity log folder on git
  + Everyone gets their own text file
  + Tushita will post an example format file
  + Independent meetings added
* Development and Test Pairs:
  + Assigned on git
* Defect Database
  + Where we keep track of bugs and issues
  + Tracked in Trello

Discussed Infrastructure:

* Ionic2 🡪 framework
* Node JS 🡪 JavaScript framework

Documents:

* Doc team Arianne, Tian, Ryan, and Gaurav
* Requirements Doc (deadline Sunday)
  + Acquire a list of requirements
    - Conrad’s email
  + Finish UI mock up (for people posting)
    - Requirements
  + Use cases (on Git under mini milestones)
  + Platforms iOS, Android, Browser
  + Project documentation 🡪 see syllabus
  + Must haves, should haves, nice to haves
* Design Doc
  + More info to come…

Dev Team meeting on Sunday @ 2:00pm 🡪 set up dev environments

Things to check regularly:

* Git
* Google Docs
* Trello
* Slack (for links)

**January 24th /17 - Infrastructure Presentation**

Osgood’s Questions/Advice:

* Cross platform issues
* To what degree is it required to operate offline?
  + Robust in handling disconnection from network
  + Buffer of Listings loaded
* End to end testing
  + Protractor 🡪 more end to end
    - Not fully end to end
  + Truly end to end would be server to app, covering all interfaces
  + Consider bandwidth issues and testing challenges
  + Simulated test requests that would come through a restful interface/webserver, without the need to be running a full client emulator
  + Make sure some end to end testing is supported – will require some coordination
    - Test frameworks may be different on both sides
    - Logging info needs to be recorded
    - Joint tests and separated tests
* What coverage of these do people in the team already have?
  + Angular, node, jengo, ionic, jasmine, karma, trello, etc.
  + Osgood’s preference 🡪 use pre-existing accounts where possible

**January 27th /17 @ 5:30 – 6:00 (0.5 h)**

**Discussed**:

* **Timeline**:
  + Signup for code review, presentations, triage meeting
* **Risk Document:**
  + Ryan is 8/10 done risk document look at risk document on Git
  + Arianne will start editing
* **Upcoming Deadlines** (see Signup Sheet for all deadlines):
  + ID1 due on Sunday at 11:55pm
  + Starting Feb 6th team will start **meeting with Osgood**
    - Dev lead and test lead should be there
  + Feb 7th **ID1 Presentation**
  + Feb 8th **Risk Scan**
    - Put risks on slack if you think of them
  + Feb 10th **Code Review**
    - Dylan with architecture design
  + Feb 17th **ID2 Due**
  + Feb 18th **Bug Party**
* **Other**:
  + ID4 🡪 Everything should be finished by ID4
  + ID5 🡪 Last minute fixes and optimizations
    - Defects Identification should be modified (because things will be fixed)
  + Code review sign offs:
    - Mutual agreement of people at the code review

**January 31st /17 @ 4:00 – 4:50 (50 minutes)**

Dylan and Dev Stuff:

* For implementation, anything the user can input into the app needs to be linked into the code
  + Input must be modelled to an instance variable of that page
  + Example and commenting on Sign-In Screen
* Everyone needs to put loggers in their pages
  + Copy paste the private logger: Logger line from sign up, inject them into the constructor
  + See Sign-In Screen
  + There are different levels of logging
    - Log, debug, warn, error, and info
* Variable names:
  + All camel case (except logger since its global)
* Any time you want to move back a screen, don’t push it because that will create a new instance of it and put it on top, instead pop from the stack

Arianne Documentation Stuff:

* All tasks have been assigned and are due by Friday night for Editing
* Test team stuff due Sunday afternoon

**Tuesday February 7th /17**

**Pre-Class Stand-up:**

Tushita:

* Kristof is the Dev Lead again
* Arianne now full time Documentation Lead and is off the Dev team
* Team should be using Trello more frequently and keep updated
  + Requirements may change part way through an ID (as part of the class) and if Trello isn’t updated, it will be very difficult to coordinate changes
* Might add an online stand-up via slack on Saturdays

Gaurav:

* Started documenting installation procedure for the app and will keep working that out

Jeremy:

* Reworking test matrix as per Osgood’s requests
* Jeremy will look into Angular 2.0 override for Protractor and working out end-to-end testing
* Jeremy will be meeting the test team on Thursday at 2:30

Kristof:

* Wants to organize a Dev Team meeting asap
* Dev needs to check out the Trello board
* Meeting will discuss future accomplishments and pair programming tasks
* Check slack in the Dev channel

Arianne:

* Send me your stuff as early as possible

Dylan:

* Merged into development and will grab a Trello card to work on

Chris May:

* Worked on presentation
* Will work on test stuff as per Jeremy’s instructions

Ryan:

* Setting up first version of test matrix and upcoming test plan
* Working on future risks

Justin:

* Wants to plan a pair programming session

Christ MR:

* Got SSH key acceptance working for the build (worked out some build problems)
* Release to Repo
* Reformatted the scripts following Google’s style guide
* Wants to get server and testing stuff implemented

Tian:

* Tian, Dylan, Kristof, and Tushita resolved the group conflict over the weekend
* Tian fully documented the back end yesterday and wants to help with back end stuff in the future
* Is also willing to do front end

**ID1 Presentation – Feb 7th /17**

Osgood’s Questions and Advice:

* Where are you at in terms of tying this into continuous integration?
* We are building a database to hold all the listings and also the API to filter the listings
* Osgood is very curious about our database management
* Is the API for client/server interaction?
  + It will handle log in credential sessions
  + Any data exchange goes through API
  + Ionic version 2 built on Cordova

**Tuesday Feb. 9th /17**

**Pre-Class Stand-up:**

* Dylan:
  + Talked to Jeremy about setting up unit tests, did a track ticket to get lab computers set up with our stuff
  + Plans on getting unit tests set up
* Tian:
  + Fixed a bug for a long time, the sign in page for mobile can now connect to the server and send a response back
  + Plans to write API document and finalize data structures with the dev team
* Ryan:
  + Working on risk scan, has added a few more
  + Plans to work out more for ID-2
* Jeremy:
  + Worked on test plan document yesterday up for peer review, everyone should read it – it’s up on google docs, also prepared for test team meeting
  + Will work on unit tests soon
* Chris MR:
  + Bug fixed a few things from reformatting, link for artifact for inspection up on the schedule (google docs)
  + Working to get server and testing set up
* Arianne:
  + Rearranged all documentation on Git
* Kristof:
  + Implemented a card, set up communication things (stand-up channel due at 1:00pm MWF and weekends optionally)
  + Working to figure out documentation asap and is anticipating heavy work load this weekend
* Tushita:
  + Attended the dev meeting, communicated with Osgood and client, a few requirements have changed (Conrad wants UI to be simpler, larger focus on picture), everyone should be read over these changes
  + Working on code snippet from Conrad and will do documentation of Conrad’s changes
* Chris May:
  + Will attend the test team meeting and get some work
* Justin:
  + Did province selection for filter page
  + Waiting for more tasks from dev lead
* Gaurav:
  + Trying to get web app set up with intelliJ, will have to use two IDE’s (PyCharm and IntelliJ), was unable to get the plugins installed properly
  + Continue on documentation for web app installation

**Tuesday Feb. 14th /17**

**Pre-Class Stand-up:**

* Kristof:
  + Manual style check on Thursday
  + Unit testing done for ID2 on Wednesday night
  + Update and finalize style guide for ID2
  + Dev will submit to Ari: API doc(This is basically design for ID2), Updated UI doc, Style doc
* Justin:
  + Working to separate Listings into published and non-published
* Gaurav:
  + Implemented and unit tested sign up
  + Working on edit user with Kristof
  + Will complete edit user and do one more card
* Tian:
  + Helped Kristof and Jeremy set up server
  + Set up so both front and back end use the same code
  + Working for sign in sign up and create listings
  + Changed data structure on back end listings
  + Added try and accept blocks and did some unit testing
  + Started working on like and dislike listing last night
* Chris:
  + Looked over code review and prepped for it
  + Will continue to prepare
* Jeremy:
  + Met with Osgood last night
  + Plans on fixing karma so that it imports the classes from type script
* Arianne:
  + Will be organizing all docs needed and making sure everything is accounted for
    - API Doc
    - UI Doc
    - Style Guide
* Tushita:
  + Met with Osgood, received suggestions for activity log and working on it
  + Client meeting Thursday with Kristof
* Chris May:
  + Looked over protractor, got ready for the code review
  + Redo protractor stuff for ID2
* Ryan:
  + Working on risk document
  + Added a section of new risks for this ID, will be finished by tonight

**Tuesday Feb. 16th /17**

**Pre-Class Stand-up:**

Tian:

* Worked on creating Listings, back end covers most test cases for user inputs for creating listings
* Created unit testing for creating a Listing

Arianne:

* Worked on compiling and editing all documents already provided
* Made mass changes and a To-Do list
* Will continue to work on requirements with Kristof until more documents are given for editing

Chris J:

* Made the Gantt diagrams for ID2 and ID3, thought about manual testing
* Will talk to Jeremy about future plans

Jeremy:

* Worked on Karma for a while, still not functioning correctly
* Test meeting today for all documentation and test stuff update test matrix, defect reports, and flow diagrams

Dylan:

* Did write up for code review
* Justin and Dylan did pair programming on the sign up page
* Did some trello set-up and activity log set up with Tushita
* Trying to get unit testing working and finish unit testing doc

Tushita:

* Updated activity log
* Will go over how to put in the log systematically in some meeting
* If you’re having a pair programming session, put it in the activity log, but also in the Git documentation file (so two places to record these)
* Peer review misconceptions up on slack
* Working towards client meeting write up and setting up new rules for code reviews (when it’s actual code)

Ryan:

* Will be attending the test meeting and working with Jeremy on test stuff

Chris MR:

* Will write the build doc and finish tonight
* Pair program with Gaurav tomorrow potentially
* Smoke tests is just compiling the program, if compiles, move it to a branch and test it

Justin:

* Did pair programming with Dylan last night on the Register page
* Will take some trello cards for future work

Gaurav:

* Working on API doc
* Modify unit testing
* Create User Authentication files

Kristof:

* Wrote a style guide for Python
* Organized some things
* Worked on unit testing
* Got trello set up with time estimates
* Will finish unit testing files and give Chris a list of Python unit testing files for automatic smoke test stuff
  + Each API call has its own test file

Tushita Extra:

* Before the code review session, the code needs to be made available 7 days prior to the review
  + Everyone needs to be prepped with 3 flaws
    - Style guide stuff, possibly questions
    - Everyone should prep between 0.5 hours and 1.5 hours (record in activity log)
* All activity logs need to be updated by tomorrow

Kristof Extra:

* For this ID, there was more unit testing done than last time. They are making a doc about how they’re testing both sides.

Dylan Extra:

* Make a page in the app that runs all the test (page is hard coded and not available to users)
* Maybe get a parameter from the command line which will set root page to something different

Chris MR asked Osgood about Smoke Tests:

* Smoke test is to make sure the system is hanging together as a whole
* Not a unit test, not just compilation
* Test of broader system functionality
* Basic things, like can you log in, can you undertake basic operations
* If you can’t even log in or use the database, there is not point in doing more detailed testing
* Spot the big glaring problems rather than the small pieces

**February 18th /17 – Group Meeting**

**Stand-up:**

Justin:

* Will fix description box

Chris MR:

* Tried to get smoke tests implemented and tried to get the build working for deployment

Tian:

* Worked on like and disklike listing API, done unit tests
* Will pick another card

Ryan:

* Did manual tests and activity logs

Jeremy:

* Compiled test docs for Ari, tried to figure out the smoke test bugs that Chris MR was having with the build
* Learned to run end-to-end tests in parallel so they are faster now

Kristof:

* Restructured the repository, ran into a merge error, was able to fix it
* Finished unit tests
* Edited some doc stuff
* Figuring out some Trello stuff

Tushita:

* Helped with docs, did triage meeting
* Will do some documentation things

Dylan:

* Did Spike Prototype write-up
* Fixed the repository
* Will work on some Trello cards

Chris J:

* Did test matrix and looked over protractor thing

Gaurav:

* Fixed a user function
* Wrote up something about testing and completed the style guide
* Modularize something for back end

Arianne:

* Editing and compiling documents since Tuesday
* Will write skeleton docs for anyone doing repetitive documentation in upcoming ID’s
* Will create a master TODO list on Git

**Other Items:**

Risks:

* Docs being organized too late
* To Do for ID2 Docs:
  + Gaurav will do a use case diagram this doc
  + Send templates to Jeremy, Ryan, and Chris MR for their docs, for ease of editing
  + Get the other risks from Tushita for the doc
  + Ask Tushita if all docs are then peer reviewed 🡪 yes all docs are peer reviewed
  + Bug party report in defect report section of test doc
  + Delta design
  + Get rid of pair programming section but mention it in the activity log section

Code Review Format:

* Everyone, but the doc lead, needs to spend time to find at least 3 flaws with the artifact to discuss
  + At the beginning, Tushita will randomly ask 3 random people what they found

Next ID:

* We need to have code that Osgood can download on his own computer and look at the same way as testers and developers
* A good idea to have a code freeze after ID4, ID5 is just touch ups and bug fixing
* Osgood prefers quality over quantity – use asserts and TDD

Activity Log:

* The pie chart is something everyone sees so keep it updated
* Typos are very bad for the pie chart; it can mess up all the measurements for the whole group
* Peer review refers to something that was one of the following:
  + Reviewed by at least one other person
  + Add your pair programming session in the spreadsheet instead, under peer review box, put PP and the name of the person you worked with
  + No more pair programming document

Reflection from past ID’s:

* Chris MR thinks he might be doing build full time all term, the build still needs work and could be a lot better
* Dev team is split in two for ID3, Dylan and Justin are working on front-end, Kristof, Gaurav, and Tian will be back-end
* Kristof wants to set up a reminder for the stand-ups on MWF
* Test team wants to be in better communication with the build manager
* Discussing Osgood’s feedback from ID1:
  + Still need to improve on specific test cases