**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

**Tuesday February 28th /17 – Stand up**

Justin:

* Made some progress for the test description area – will look into this more and try and finish it today

Tushita:

* Since last time, hasn’t done much but will begin working with Arianne for ID3 Document

Ryan:

* Working on risk doc, will be rewriting end-to-end test on the new GUI’s and finishing up risk doc

Tian:

* Yesterday worked on code refactoring for several things, finished Add Listing, Edit Listing, Create Listing, Get Favourites, Like/Dislike Listings – today will work on implementation for Get Filter Listings

Kristof:

* Finished change password, needs to figure out token change – having trouble with some of the token related functions

Jeremy:

* Updated flow charts

Gaurav:

* Fixed a bug yesterday, will pair program today and look for more bugs

Chris MR:

* Made a branch, will work on multi stage building – server stuff, etc.

Arianne:

* Reminder that docs are all finished
* Kristof: changes to requirements

Dylan:

* Did some sign up page stuff, form validation, etc. will do Trello cards after that

Tushita Announcements:

* Wants more peer reviewed code
* Testers can help with reviewing dev code

**March 3rd /17 – Stand up**

Arianne:

* Worked on documents, edited inspections and wrote write up for Doc Inspection. Added and compiled everything that’s been given. Deadline for docs is tonight so will continue to edit the individual pieces as they come in. Smoke test and build status will be changing right up to Sunday.

Tushita:

* Hasn’t don’t a lot, some general maintenance, will do a write up for some additional client communication, and prepare for Kristof’s code review

ChrisJ:

* Hasn’t done anything, will go to test meeting and prep for code review

Ryan:

* Working on the risk document, will be doing a code review for it soon, will be going to test meeting and prep for code review

Justin:

* Created contact page with Dylan, chose icons, will prep for the code review

Jeremy:

* Did some manual and automatic testing, found some bugs, struggling with protractor a bit, will be leading the test meeting and prepping for Kristof’s code review

Chris MR:

* Since last time, pair programmed with Gaurav to get a tunnel set up between Travis and the US servers, worked on getting smoke tests set up, got smoke tests implemented for the back end, updated the build doc. Will make sure the server is working properly with the build and will continue to work on test and build stuff. Wants to get the build to automate server builds. So if there’s a change to the server files the build should rebuild the server and host it and post it to the remote host.

Gaurav:

* Pair programmed with Chris, went to dev meeting, did a lot of refactoring. Will prepare for Kristof’s code review.

Tian:

* Doing the filter listing, its pretty much done. Refactored most of the code in other listings API. Will prep for code review and presentation next week.

Kristof:

* Had a dev meeting, discussed ID4, pair programmed with Dylan, had a meeting with Allan - the feed back was a mistake. Will be doing a code review and making changes that are suggested.

Dylan:

* Changed the entry point of the app, removed “listings saved on deceive” feature, did some code cleanup, got login and sign up working. Will prep for code review and start making trello cards for ID4.

Tushitas Announcements:

* Tushita will distribute areas for people to review for the next 2 code reviews (Tian and Ryan)