Date: Feb 14th, 2019
Time: In class
Team members present: Zach, Adan, Wafi, Brenna. Minutes written by Team, since Scrum Master not present.

Topics of Discussion:
- Setup of AWS. How do we interact with AWS and Django?
- Django is not currently set up on Apache.
- The overall work flow of the project, once the software stack is set up.
  - The working project will be on the main branch in GitHub
  - All team members will clone to their local machine
  - Once the team member wants to push to GitHub, they will submit a pull request (Zach will show us how to do it)
  - The code will be reviewed by Zach and additional reviewers
  - If approved, the code will be pushed to main branch
  - Then, the updated project will be pulled into AWS
- Discussion of future meeting to learn about server setup

Deliverables
- Finish setting up Django on Apache, push the Django project to GitHub (Zach) - By end of week
- Zach will share GitHub with Prof and TA (once Prof sends their GitHub info)
- Rest of team: Look into setting up web servers (Google it), and Django tutorials. Check out the Django documentation. Set up personal machines with software stack (virtualenv or virtual machine, install Django).
- Brenna: send email with software stack specs by Friday evening. If we don't have the Prof and TA GitHub user names by that time, Brenna will ask about that.

Date: Feb 18th, 2019
Time: 5:00pm - 7:00pm
Team members present: Zach, Adan, Wafi, Brenna, Fatma, and Omar.

Topics of Discussion:
- Git Flow
  - Omar and Zach went over the specifics on how the Git Flow will work over the course of the term project. Once the Git Flow was finalized it was shared with the team.
- Django and Apache
  - Zach explained how the back end was set up with AWS, Apache, and Django. He also explained how they talked to one another and why is it important.
- Steps to take for making about page
  - To get to the about page you.

Deliverables:

- Finish Studying Django and Apache
- Push with the individual's about page by Wednesday 20th by 10:00pm.

Date: Feb 20th, 2019
Time: 6:00pm - 7:00pm
Team members present: Zach, Adan, Wafi, Brenna, Fatma, and Omar.

Topics of Discussion:
- Getting everyone's about page merged into the dev branch and then merge dev to master.
- Allowing SSH SFSU_Admin
- Edit host file
  - Clear DNS cahce
- Setting up VM and ssh for the VM's
  - Updating freshly installed Ubuntu
- Installing and Setting Up Apache
  - sudo apt-get update && sudo apt-get upgrade
    - These two commands update the repository list (i.e. to tell whether an updated version of a package is available or not) and to actually upgrade these packages respectively.
  - sudo apt-get install apache2
    The Set Up of Apache
    - sudo systemctl enable apache2 → **Enable Apache to start on bootup.**
    - sudo systemctl start apache2 → **Manually start Apache service.**
    - sudo systemctl status apache2 → **Check service status of Apache.**
    Verify Apache is Loading
      - curl 'http://localhost' → **Verify website is up with no GUI.**
    - ifconfig → **Check current IP address (and other network stats).**
      - If you do not have ifconfig run
        - sudo apt install net-tools
      - This should be the output and the IP you want will have the four number separated by periods.

```
lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1  netmask 255.0.0.0
    inet6 ::1  prefixlen 128  scopeid 0x10<host>
    loop  txqueuelen 1000  (Local Loopback)
    RX packets 89608  bytes 27578142 (27.5 MB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 89608  bytes 27578142 (27.5 MB)
    TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

wlp1s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
```

```
inet xxx.xxx.xxx.xxx  netmask 255.255.240.0  broadcast 10.143.159.255
inet6 fe80::f6b5:8735:ec7e:c7e9  prefixlen 64  scopeid 0x20<link>
ether e8:2a:ea:72:5e:9d  txqueuelen 1000  (Ethernet)
RX packets 1413313  bytes 1703312514 (1.7 GB)
RX errors 0  dropped 0  overruns 0  frame 0
TX packets 561606  bytes 142910891 (142.9 MB)
TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

- Installing and Setting Up Apache
    - <u>The Set Up of Apache</u>
        - cd /opt
        - sudo git clone https://github.com/CSC-648-SFSU…
        - sudo mv <git project name> project_pegasus
        - cd project_pegasus/server_config/etc/apache2
        - Two main configs apache2.conf, contains whole apache server, and 000-default.conf which is in sites-available
        - sudo cp apache2.conf /etc/apache2/
        - sudo cp sites-available/000-default.conf /etc/apache2/sites-available/000-default.conf → **Overwrite default configuration of Apache with customized configurations.**
        - sudo a2enmod ssl → **Enable SSL plugin of Apache.**
            - Ignore what it tells you
        - sudo apt-get install libapache2-mod-wsgi-py3 → **Install Python plugin for Apache.**
        - sudo a2enmod rewrite → **Enables 'rewrite' plugin in Apache. This plugin will rewrite URLs for you. Examples include if any url is directed at the site without HTTPS, it will get re-written to an HTTPS url while preserving the URL you entered.**

        - cd /etc/apache2
        - sudo mkdir certificates
        - cd certificates
        - sudo openssl req -new -newkey rsa:4096 -x509 -sha256 -days 365 -nodes -out Certificate.crt -keyout Key.key → **Generate private key and public certificate for the server. These are required to get HTTPS to work.**
            - ls should now show Certificate.crt & Key.key files
        - sudo systemctl restart apache2 → **Restart Apache service with newly configured plugins, certificates, etc.**
- Deliverables
    - Team Lead to finish email for Milestone 0

Date: Feb 21st, 2019
Time: In class
Team members present: Zach, Adan, Wafi, Brenna, Quan, and Omar

Topics of Discussion:
- Setting up Django
- Setting up and the proper flow of github
  - Create new branch
  - git branch zachary-test
  - Edit a file
  - git status
    - It shows modifications
  - git add <file>
  - git commit -m "message"
  - git push -u origin
  - Go Back to GitHub
    - Go to branches and your branch should be there
    - Click on your branch
    - When Done Make a Pull Request (PR)
      - Make sure base is dev and compare is your branch
      - Leave a message of what you did and then create PR
      - Now you wait for someone to CODE REVIEW
- Brenna sent out email for M0
- Talking about UC Berkeley Conference/Workshop in SFSU (entrepreneurship)
  - Where students can showcase their product

Deliverables
- Have meeting next week to talk about Milestone 1 DUE MARCH 3rd

Date: Feb 27th, 2019
Time: 6:00pm - 8:00pm
Team members present: Zach, Adan, Wafi, Brenna, Quan

Topics of Discussion:
- M1 functional and non-functional requirements
-
Deliverables:
- Add more user stories, requirements to M1 doc
- Research any APIs, frameworks to use for all features

Date: Feb 28th, 2019
Time: In Class
Team members present: Zach, Adan, Wafi, Brenna, Fatma, and Quan.

Topics of Discussion:
- Reviewed additions to working M1 doc since last meeting
- Clarified High Level Requirements includes any frameworks, APIs, etc.
  - jQuery, Bootstrap, NodeJs
- Defined distinction between landlords and tenants posting listings
  - Data Definitions updated: Landlords are property owning individuals/companies; Tenants are current residents wishing to rent out their space
- Review of additional personas to working M1 doc
  - Plan to add more personas for other student considerations (i.e. student with kids)
- Number, prioritize user stories, functional requirements
  - Each item numbered consecutively, higher priority items listed first
- Privacy concerns for all users
  - Users opt to not display parts of personal information
  - Messaging within the system to protect user info
  - User accounts display usernames instead of using full names
- From Professor: Scrum Master Meeting 3/7/18 3:30PM-4:30PM @TH 909

Deliverables:
- Add more user stories to M1 doc
- Organize and prioritize functional requirements, user stories
- Everyone: All additions to document by Friday 5PM
- Team leader to write executive summary, reorganize completed document

Date: March 6, 2019
Time: 6:00pm - 8:00pm
Team members present: Zach, Adan, Wafi, Brenna, Quan, Fatma, and Omar

Topics of Discussion:
- Milestone 1 Feedback

Team Pegasus - Feedback from Isabel

- Data Definition
  - Student, unregistered user, registered user, administrator, landlord, tenant
    - What kind of properties does it have?
      SOLUTION
      the class properties should have the proper attributes.

- ○ Tenants
  - ■ Should they be SFstate students?
    SOLUTION
    No and Yes. Maybe? Tenants need not be university students, but it should be clear in the listing whether they are students or not

- ○ What is the relationship between domicile and listing?
  SOLUTION
  a listing contains a domicile, plus other info like landlord, comments, information on current tenants. A domicile is just the unit with attributes like price, size, amenities, etc.

- ● Functional Requirements
  - ○ Registration
    - ■ Students : How can the Pegasus validate the students are SFsate students in the process of registration? What is your validation method? A Valid email id or single sign on SFSU system?
      SOLUTION
      university email addresses

    - ■ Do you require registration for landlords who owns a property? Do you require any process to prove they are valid landlords?
      SOLUTION
      No special process, but landlords must register (how can we even check to verify landlords?)

    - ■ Do you require registration of tenants? Do you require any process to prove they are valid tenants?
      SOLUTION
      Yes, tenants have to register. How to check if valid tenants? Potentially through the mail.

  - ○ Search and Filter
    - ■ When a student looks for a room (not a whole apartment), could he/she also search or find out the current tenant and his characteristics? What is the roommate compatibility score (mentioned in the executive summary)? How can a student utilize this score?
      SOLUTION
      Clarify roommate compatibility score and how it's implemented. Options for the score: data mining. Not reviews of people, but endorsements. Everyone fills out a survey. NOTE: Need to come up with questions.

  - ○ Notification

- It would be better to describe what kind of notification would be available. Does it include email and push notification to users' phone?
  SOLUTION
  email, push notifications (when someone messages you through the app, when something on watch list or with requirements becomes available, when someone signs up for an open house, when a student has an upcoming appointment)

- Comments, likes and shares
  - Could users leave comments/likes and shares of tenants (potential roommates) about their characteristics or cleanliness etc?
    SOLUTION
    No comments on individuals. Endorsements allowed.

  - How the administrators would manage the contents of comments? What if they have inappropriate wordings? The comments are audited by administrator? Then how much delay by administrators would be expected before posting?
    SOLUTION No comments

- Daytime and night time photos
  - Do you require other photos such as of bedrooms, living rooms, bathrooms etc.? Any specific reason for daytime and night time photos?
    SOLUTION Photos of common areas, photos of the room for rent, photos of bathroom, photos of exterior

- What are priorities of requirements?
  - Based on them, the following development of UX and software should be prioritized also.
    SOLUTION
    Re-organize our requirements by priority

- What are the key distinctions of conventional systems? In the summary, it is said that the Pegasus addresses the student-specific challenges. I do not see clearly how the challenges are transformed into the functional requirements.

- NonFunctional Requirements
  It is recommended to include scalability of the Pegasus platform in terms of functionalities. When the Pegasus system should modify its original functionalities or should provide more functionalities (such as student's Craiglist to sell/buy products), the software should be readable, easy to maintain and to expand new features.

  Post listings. Priority 1.

- 1. Landlords and tenants will be able to create listings with information about their domicile.
- 1. Information includes:
    - 1. Square footage
    - 1. type of domicile
    - 1. Price
    - 1. number of occupants
    - 2. length of commitment
    - 1. Parking
    - 2. utilities policy
    - 1. number of each type of room
    - 1. pet policy
    - 1. Amenities
    - 2. furnished or unfurnished
    - 1. individual or group leasing
    - 1. disability accessibility
    - 2. subletting policy.
- 2. Listings may also include information regarding:
    - types of security
    - renovation status,
    - move-in specials,
    - noise levels and policy,
    - rent control policy,
    - age of the building, or
    - lease renewal.
- Each listing will also have at least one picture of the domicile.
- 1. The site administrator will approve all listings prior to posting. *L1, L2, L3, A1*.

Messaging
1- Landlords and tenants will be Able to Chat through the application without giving out their emails
2- users should have profiles pic
1- users should have their name displayed by their profile
1- chat should shows if the user in online or not
2- messages should show the message is been read or not

Add category for administrative tasks that includes: approvals for registration (15th category), add category for roommate compatibility

Deliverables:
Brenna: Post Listing, Search & Filter, and Compatibility Match
Fatma: Geographic Overlay and Registration

Wafi: Messaging and Calendar
Zach: Watch List and Application
Quan: Notifications and Find Roommates
Adan: Neighborhood Pages and Comments, Likes, & Shares
Omar: Classified Pages and Daytime & Nighttime Photos, and Administrative Tasks

Date: March 7, 2019
Time: 11:30pm - 1:45pm
Team members present: Zach, Adan, Wafi, Brenna, Quan, Fatma, and Omar

Topics of Discussion:
- Super Tenant/ Master Tenant vs Landlord
  - Landlord is the property owner
  - Super Tenant is the one posting the property and also lives on the premise
- Tenant vs Mater Tenant
  - Master Tenant
    - The one posting
      - E.g. four people live in an apartment but one posts the property therefore that one person is the master tenant

Deliverables:
- Milestone 1 Revision 2 DUE SATURDAY 9
  - Be done with the deliverables by Friday 8 at 8:00pm and afterwards we will discuss the changes on Slack
- If anyone can't finish by then we can extend it til to Saturday for that individual

Date: March 13, 2019
Time: 6:30pm - 8:30pm
Team members present: Adan, Wafi, Brenna, Quan, Fatma, and Omar

Topics of Discussion:
- Setup Trello
  - Added members
  - Set up Listings and Cards (Cards represent each task in the Milestone 2)
  - For each card we added a description and if it had sub tasks we created a checklist for that card.
  - Added Trello Bot to Slack

Deliverables:
-

Date: March 19, 2019

Time: 1:45pm - 1:45pm

Team members present: Zach, Adan, Wafi, Brenna, Quan, and Omar

Topics of Discussion:
- UI/UX Mockups
  - Suggestions

Deliverables:

Date: March 20, 2019

Time: 1:45pm - 1:45pm

Team members present: Zach, Adan, Wafi, Brenna, Quan, and Omar

Topics of Discussion:
- User story mockups
  - Cleared up how the chat is going to play in the GUI

Deliverables:
- Become Django and React experts quick!
- Look at Trello

Date: March 21, 2019

Time: 12:30pm - 1:45pm

Team members present: Zach, Adan, Wafi, Brenna, Quan, and Omar

Topics of Discussion:
- User story mockups for Andy Clarkson and Velvet Crowe
- Roommate Compatibility
  - Percentage
    - Using database and adding weight later
  - Filling the survey that finds more about the end user when they are signing up for Pegasus.
    - Once survey is filled, Pegasus will keep record of it

- When user is looking for listings, Pegasus will calculate roommate compatibility with potential listings.

Deliverables:
- UI/UX GUI mockups in Adobe XD
- Look at Trello

Date: April 3, 2019
Time: 6:30pm - 8:30pm

Team members present: Zach, Adan, Wafi, Brenna, Quan, and Omar

Topics of Discussion:
- Milestone 2: Feedback
  - Going over data definition feedback and fixing errors
  - Going over functional requirement feedback
  - UI Storyboard
    - Download CameraScanner on your phone
    - Instead arrows, number your screens
    - Have a more coherent sequence
    - Save the images to a folder named to
    - Put the images in powerpoint with caption
  - UI/UX Screens
    - Make the screens more consistent
    - Add numbers to screens show a coherent sequence
    - Add to powerpoint slides
  - UML Diagram
    - Remove user cases but for now TBD
    - User cases: What is end to end?
      - Make diagram from the home page > login > search > listings view > list view > saving listing
  - Component and Deployment Diagram

- yeah

Deliverables:

- Explain your given data definition if a comment was made DUE TOMORROW
- Apply the changes for Storyboards and UI/UX Screens DUE TOMORROW
- UML Apply the changes given in the meeting note DUE TOMORROW
- Apply the changes to the component and deployment diagram DUE TOMORROW

Date: April 10, 2019
Time: 6:30pm - 8:30pm

Team members present: Zach, Adan, Wafi, Fatma, Brenna, and Quan

Topics of Discussion:

- Coding Style Enforcement

  - PyCharm for python, VS Code for python & html/css

  - Use PyCharm Professional Edition for PEP8

- Google API usage

- Task organisation for M3

  - Backend Tasks distributed

  - Frontend will need to implement all pages, mobile responsiveness

Deliverables:

Finish UML Class Diagram DUE TOMORROW
Continue exploring Google APIs DUE TOMORROW
Start working on creating web pages DUE 4/25

Date: April 17, 2019
Time: 6:30pm - 8:30pm

Team members present: Zach, Adan, Wafi, Fatma, Brenna, and Omar

Topics of Discussion:

- Django communication between forms.py, views.py, and .html pages.

- Clearing up any confusions regarding front end UI changes.

- Compatibility test - Brenna will apply her knowledge with machine learning

- Meeting time decided for Front end time decided for this Friday at 12pm

Concerns:

- Connecting Front-End and Back-End within the timeline

Deliverables:

- Front End due by SUNDAY 21st

- Compatibility Test first steps due by SUNDAY NIGHT 21st

- Back End tie in to Front End due by TUESDAY 23rd

Date: April 24, 2019
Time: 6:30pm - 8:30pm

Team members present: Zach, Adan, Wafi, Fatma, Brenna, and Omar

Topics of Discussion:

- Talk about the requirements for tomorrow

- Connected the back end with the front end

- Discuss what needs to be integrated into the django templates

- Quan is integrating the maps api to the back end

- Images for the listings

Concerns:

- Not finishing on time

Deliverables:

Date: May 1, 2019
Time: 6:30pm - 8:30pm

Team members present: Zach, Adan, Wafi, Fatma, Brenna, Quan, and Omar

Topics of Discussion:

- Connecting Back-End components to the stylized pages.

- Communicate the requirements the Milestone 4

- Open discussion regarding Milestone 3 feedback

Concerns:

- Front-End be able to stylize within the timeline

- Back-End be able to implement functionality to remaining pages

Deliverables:

- Front-End and Back-End integration of Profile, Listings, Forums, and Messages.

Date: May 2, 2019
Time: 12:30pm - 1:45pm

Team members present: Zach, Adan, Wafi, Fatma, Brenna, Quan, and Omar

Topics of Discussion:

- Minor fixes to the Back-End regarding the listings and filter.

- Further discussion of stylizing the remaining pages and how to extend from a base

  HTML file using Django

- Map integration discussion.

Concerns:

- Front-End be able to stylize within the timeline

- Back-End be able to implement functionality to remaining pages

Deliverables:

- Front-End and Back-End integration of Profile, Listings, Forums, Admin pages,

  Messages.

Date: May 4, 2019
Time: 4:00pm - 7:00pm

Team members present: Zach, Adan, Wafi, Fatma, Brenna, and Omar

Topics of Discussion:

- Map integration finalized

- Connecting index page to the listings page, with search persistence

- Testing the maps presentation in Firefox and Chrome

- Unit testing and integration testing

Concerns:

- Front-End be able to stylize within the timeline

- Back-End minor fixes and implementing tests into the program

- Map was only displaying in chrome

Deliverables:

- Front-End and Back-End integration of Profile, Listings, Forums, Admin pages, Messages DUE BY MONDAY 6TH @ 10 PM

Date: May 7, 2019
Time: 12:30pm - 1:45pm

Team members present: Zach, Adan, Wafi, Brenna, Quan, and Omar

Topics of Discussion:

- Documentation for Milestone 4 discussion. Communicate what is left for tonight.

- Coding Style for Front-End and Back-End

- Github comments on the documentation (Code Review)

Concerns:

- None

Deliverables:

- Coding style for Front-End

Date: May 8th, 2019
Time: In class
Team members present: Zach, Adan, Wafi, Brenna, Quan, and Omar

Topics of Discussion:
- Milestone 4 fixes
  - Account confirmation email URL leads to formatted page with button to home page
  - Database domicile / residence issue needs to be committed / tested
  - Price range filtering: attributes for residence have to be working as valid filters
  - Add directions to map in individual listing

- ○ Individual listing page: stylize
- ○ Individual photos slider needs to access listing photos
- ○ Remove tab to community page for non-logged in people
- ○ In forum: when you click on a person name / image, it should go to their profile page
- ○ From their profile page, there should be a message button
- ○ Quote selected - remove
- ○ When using quote, stylize the quote differently
- ○ Check for existing username and email when signing up
- ○ On listing, link to whoever posted it (the landlord)
  - ■ Clicking will lead to their profile (in a new tab), which will allow messaging
- ○ Save listing - button needs to work
  - ■ Also, clicking on saved listings in profile should display the saved listings
- ○ Open house sign-up - simple buttons
- ○ Calendar method for student - scrap this
  - ■ We can do this with ICS
- ○ Edit profile - fix the already exists error
- ○ Landlord page - signing in as landlord needs to allow access to landlord profile
- ○ Sign-up - instead of checkbox for student, provide a drop down menu for student / landlord
- ○ Landlord - add listings - connect to profile (front end)
- ○ Landlord - when adding listing, should see a message that the listing is pending approval; waiting for listing to be approved, landlord to receive an automated message when approved
- ○ Landlord creating open house times - how to do
- ○ Admin page -

Concerns:
- ●

Deliverables:
- ● Deliverables are setup on Trello

Date: May 18th, 2019
Time: WEEKEND MEETING
Team members present: Zach, Adan, Wafi, Brenna, Fatma, and Omar

Topics of Discussion:
- ● Brenna fixed the map to pop in the center
- ● Zach added colors to the admin
- ● Presentation for M5

Concerns:
- ● Not having the requirements for M5

Deliverables:
- ● Check Trello

Date: May 22nd, 2019
Time: 6:30pm - 8:30pm
Team members present: Zach, Adan, Wafi, Brenna, Fatma, Quan, and Omar

Topics of Discussion:
- Last minute push, pull request, and merge to GitHub
- Making all the components in the website connect
- Go end to end through the website to make sure things worked
- Discuss the good times
- Presentation
    - Brenna - Majority of the prez go through the site
    - Zach - Performance and Test
    - Wafi - Shows responsiveness
    - Optional- Omar - talks about the scrum process

Concerns:
- N/A

Deliverables:
- Check Trello