**CS673F16 Software Engineering**

**Team 4 Meeting Minutes**

**Week 3 4/5/2018)**

**Date and Time:** 3/22/2018

**Place**: BU

**Participants:** Pat Ryan, Matthew Scott, John Staley, James Christensen, Siwei He

**Minutes taker:** Pat Ryan

**Timekeeper:** Pat Ryan

**Purpose:** Check-in, plan for finishing iteration 3 presentations

**Agenda:**

1. Discuss items for final sprint

**Discussion**:

1. Patrick will work on refactoring and unit testing the scraper and implementing the choropleth visualizer in the final project
2. Patrick needs to push the choropleth (job title/ company) scrapers to dev
3. James will work on UI tests in Selenium
4. SiWei will work on collecting data unit tests
5. Peter will work on Glassdoor plot extensions
6. John will work on UI look and feel (Bootstrap)
7. Amal and Matt will start working on the groups SDD.

**Plan for next week:**

**CS673F16 Software Engineering**

**Team 4 Meeting Minutes**

**Week 3 3/22/2018)**

**Date and Time:** 3/22/2018

**Place**: BU

**Participants:** Pat Ryan, Matthew Scott, John Staley, Amal Krishna, James Christensen, Siwei He

**Minutes taker:** Pat Ryan

**Timekeeper:** Pat Ryan

**Purpose:** Check-in, plan for finishing iteration 3 presentations

**Agenda:**

1. Testing
2. Iteration 2

**Discussion**:

- Patrick repaired the county level choropleth scraper / visualizer.

- James showed a multi axis plot which compared the desired skills in different job titles.

- Team agreed what would be presented during iteration presentations next week (slides, website, user stories)

- Team agreed that next weeks iteration presentations would be presented by John, Siwei and James.

- Update on unit tests from Amal and Matt

- Team agreed that SiWei will present the glassdoor data tab for the website.

**Plan for next week:**

**CS673F16 Software Engineering**

**Team 4 Meeting Minutes**

**Week 3 (2/22 - 3/1 )**

**Date and Time:** 2/22

**Place**: BU

**Participants:** Pat Ryan, Matthew Scott, John Staley, Amal Krishna, James Christensen, Siwei He

**Minutes taker:** John Staley

**Timekeeper:** John Staley

**Purpose:** Check-in, plan for finishing iteration 1

**Agenda:**

1. Testing
2. Iteration 2

**Discussion**:

Matt, Amal - Amal will be sole dev to merge dev and master branches

Amal, Matt - testing with selenium. Will include testing files in next presentation

Pat: scraping issues, scraping indeed.com specifically

Matt: changes to scraper, integrating with Pat’s scraper

Amal, Pat: github issues

Pat: scraper issue, possible risk

**Plan for next week:** Meet IRL on Sunday @ 2pm

**S673F16 Software Engineering**

**Team 4 Meeting Minutes**

**Week 4 (2/22 - 3/1 )**

**Date and Time:** 2/28

**Place**: BU

**Participants:** Pat Ryan, Matthew Scott, Amal Krishna

**Minutes taker:** Matthew Scott

**Timekeeper:** Matthew Scott

**Purpose:** Plan for iteration 1 review

**Agenda:**

1. Presentation
2. Demo
3. Pivotal Tracker
4. Defect Report
5. Risk Management Report

Discussion:

Defect Report: Matt and Amal discussed the need to generate a testing framework with Selenium for the UI and create unit tests for each of the individual models. This is sleighted for iteration 2 work and we’ll discuss more in the meeting after class tomorrow. Once that is done, we should have a reliable defect report generated after running tests.

Pivotal Tracker: Part of the meeting tomorrow with the whole team should be generating testing user stories to help with above. We closed user stories that have been completed and discussed where these will fit in the presentation. We will also discuss user stories that haven’t been completed yet tomorrow and ask the owners for their progress, blockers, etc.

Presentation: Some of the user stories that were completed this iteration are also demoable and we will demo them tomorrow. Additionally, Peter has already put together slides on the Project framework. Matt generated a class diagram. The group integrated these two and Amal is ready to talk about the portion of the class diagram that Peter may not understand. Peter has said he is prepared to talk about the Django framework in detail. Amal is also ready to talk about the details that have been omitted from the class diagram for understandability (the models, views, and templates created so far).

Demo: We went over the demoable user stories and made sure they were working and discussed how and what to present.

Risk Management Report: Some work has been done. Pat offered to take a look and add risks that he could think of. This may also be presented if time allows.

**CS673F16 Software Engineering**

**Team 4 Meeting Minutes**

**Week 3 (2/22 - 3/1 )**

**Date and Time:** 2/22

**Place**: BU

**Participants:** Pat Ryan, Matthew Scott, John Staley, Amal Krishna, James Christensen, Siwei He, Peter Dimaria

**Minutes taker:** John Staley

**Timekeeper:** John Staley

**Purpose:** Check-in, plan for finishing iteration 1

**Agenda:**

1. DB (which method for collection of data)
2. Data storage issues
3. Update Schema
4. Particular data sets

Discussion: Amal, Matt, Pat - Scraping complete, populate data sets like location and skill sets

John - Confirming UI/UX theme

Pat - Open to new names for project

Amal and Matt discussed which locations/regions and dates to include

Pat suggest regex for dilleniating job postings

Matt - “drunk user” testing, data cleansing

James - Using both a list and DB as possible solution to data storage

**Plan for next week:** Meet IRL on Sunday @ 2pm

**CS673F16 Software Engineering**

**Team 4 Meeting Minutes**

**Week 3 (2/16 - 2/25 )**

**Date and Time:** 2/17

**Place**: Slack

**Participants:** All Members

**Minutes taker:** Patrick Ryan

**Timekeeper:** - Patrick Ryan

**Purpose:** Check-in, plan for finishing iteration 0

**Agenda:**

1. Discussion on theme and name

- John’s suggested “Birds Eye View” is still the current working name, with James, John and Matthew voting in favor.

- Patrick noted that we could visually segment different fields (skills, educational attainment) in one or separate bar charts.

**CS673F16 Software Engineering**

**Team 4 Meeting Minutes**

**Week 3 (2/1 - 2/8 )**

**Date and Time:** 2/8

**Place**: Boston University (Room B26)

**Participants:** All Members

**Minutes taker:** Patrick Ryan

**Timekeeper:** - Patrick Ryan

**Purpose:** Check-in, plan for finishing iteration 0

**Agenda:**

1. Discussion on scraper and classification algorithms
2. Discussion on SQL database and extraction
3. Discussion on theme and name

- Amal noted that we could create a single master list to create dictionaries for all possible job postings, rather than making a unique skills list for each job title.

- All members discussed how efficient copying the SQL database would be. Current understanding is that the database will be only copy new additions from version to version.

- Peter hooked his laptop up to the projector and showed the team his Django layout, and the overall method that would need to be undertaken in order to populate the database with a skills list.

- John suggested “Birds Eye View” as a possible name for the web app

- All members discussed the name and theme, and agreed that we would brainstorm different names and submit them for a mass vote.

- Patrick noted that he had a working model of the bar chart visualization (currently only featuring an unordered visualization of skills found in the data scientist list).

- The team agreed that we would have a small virtual meeting via Slack on Saturday.

**CS673F16 Software Engineering**

**Team 4 Meeting Minutes**

**Week 3 (2/1 - 2/8 )**

**Date and Time:** 2/7

**Place**: Slack

**Participants:** All Members

**Minutes taker:** Patrick Ryan

**Timekeeper:** - Patrick Ryan

**Purpose:** Check-in, plan for finishing iteration 0

**Agenda:**

1. Discussion on presentation for iteration 0
2. Discussion on draft for SSSP

- The meeting was originally scheduled to take place at BU, but had to be conducted virtually due to weather conditions.

- Patrick submitted a semi-final draft presentation

- Presenters and final presentation topics were discussed

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**CS673F16 Software Engineering**

**Team 4 Meeting Minutes**

**Week 3 (2/1 - 2/8 )**

**Date and Time:** 2/3

**Place**: Slack

**Participants:** Matthew Scott, John Staley, Amal Krishna, James Christensen, Siwei He

**Minutes taker:** James Christensen

**Timekeeper:** Matthew Scott

**Purpose:** Check-in, plan for finishing iteration 0

**Agenda:**

1. Presentation plan
2. Homepage design
3. Brainstorm requirements

Amal offered to add slides for QA and visualization to presentation

John shared homepage wireframes, suggested bird theme (bird’s eye view of job market)

Group brainstormed requirements to include in SPPP

Matt shared proposed database schema

Group will meet Wednesday evening at 6:00 PM to discuss the presentation and SSSP documentation.

**CS673F16 Software Engineering**

**Team 4 Meeting Minutes**

**Week 2 (1/26 - 2/1 )**

**Date and Time:** 2/1

**Place**: B26

**Participants:** All members

**Minutes taker:** Matthew Scott

**Timekeeper:** Matthew Scott

**Purpose:** Agreeing on project idea

**Agenda:**

1. Assign responsibilities for SSSP
2. Assign responsibility for presentation

Amal: recommended working with a data frame rather than a 2d array with loading the work. Repetitive “sponsored” posts can be removed easily using the built in dataframe operations in pandas.

Matt: we need to work on the documentations and presentations for next week's class.

John: I’ll work on the website’s front end and start creating the buttons and drop down menus that will call the rest of the search information

Peter: Will start creating a django framework

By the end of the meeting, the individual leaders were determined. Those leaders were assigned their components of the SPPP. Pat volunteered to be the lead on the presentation and put together the first draft of the slides. We agreed to meet again on Saturday at 1 PM and make this a recurring meeting. For this Saturday, we planned to discuss the presentation and the SPPP.

**CS673F16 Software Engineering**

**Team 4 Meeting Minutes**

**Week 1 (1/18 - 1/25 )**

**Date and Time:** 1/25/18

**Place**: B25

**Participants:** All members

**Minutes taker:** Matthew Scott

**Timekeeper:** Matthew Scott

**Purpose:** Agreeing on project idea

**Agenda:**

1. Determine project
2. Agree on technology stack

John presented idea on scraper tool for fake news.

Amal mentioned this will be a pain to do because each news website would require individual tweaking.

Pat presented a similar possible idea on creating a scraper, but for job listing on sites like indeed.

Discussing fake news website, portal with news stories and rank it as fake news or not.

Amal: Already done a lot of work with MBTA APIs, not with python, with shiny in R, but R can be incorporated into Python or we can redo that work. So much data is out there, we can restrict ourselves to little pieces of it right now. There’s a lot of terminology would be difficult to work with, but Amal has already done it. We can incorporate R in with Python.

For example, ten different spots, what is the longest wait time for. You can take the data in by time of day or by stop. Since I have already done it in R, we’ll have something to start on.

Amal shows possible UIs to be done in.

Pat: Boston, Drop down of Job Titles, goes to multiple websites and pulls data about skills related, years required, degrees required for that job and prints visualization. Mentioned Beautiful Soup, a web scraping tool.

Decision made on Web Scraper for Indeed.com

An Example from previous project:

**Date and Time:** 1/26/12 7 - 8PM

**Place**: Group Phone Call

**Participants:** Dan Spuches, Grace Hopkins, Craig Cato

**Minutes taker:** Dan Spuches

**Time Keeper:** Craig Cato

**Purpose:** Project Kickoff Meeting

**Agenda:**

* Determine group name
* Determine project name
* Provide effort hours so far
* Finalize communication plan
  + Google group vs. Trello
* Find and discuss related works
* Google code
  + Create project site
  + File a test bug
  + Check in/out a test document
* Brainstorm requirements
* Discuss risks
* Determine an approach/process to use
* Assign roles

**Discussion:**

* Determine group name
  + Is this the same as project name? Yes
* Determine project name
  + Yet another weight tracker - taken
  + Yet another weight program - YAWP
    - Don't want to make YAWP noise when you stand on the scale
  + BodyStats
  + Yet another weight history program
  + Yet another weigh-in program
  + Yet another weight oriented program
* Provide effort hours so far
  + Members will email hours spent so far to Grace
  + Need to decide start/end of week
    - Week starts Saturday, ends Sunday
* Finalize communication plan
  + Google group - email distribution
  + Google code - upload and track all documents (including agenda, minutes, etc)
  + Trello - Discussions/brainstorming/to-do and completed tasks
* Find and discuss related works
  + http://download.cnet.com/Weight-Tracker/3000-2129\_4-10458217.html
  + weightchart.com
    - Web based
  + weightwatchers.com
    - Web based
  + Our project is standalone, not web based, open source (differentiator)
* Google code
  + Create project site
  + File a test bug
  + Check in/out a test document
  + SVN or GIT?
    - We will use SVN
    - Tortoise SVN for windows
  + What license will we use?
    - Apache 2.0
    - What are the terms?
    - Need to tag all works with the license text from http://www.apache.org/licenses/LICENSE-2.0
* Brainstorm requirements
  + Functional
  + Non-functional
  + Desktop java standalone client
  + Not networked
  + Single user per instance
    - Future - multiple users
  + Need to be able to enter weights
  + Calculate BMI
  + Charting over time
    - Export charts?
    - Daily weight change
    - Monthly weight loss
    - Trending of data
    - Projections
  + Target weight
  + Sounds?
    - Applause for loss
    - YAWP for gain
  + Computerize printed charts
  + Print charts/data
  + Export and save functions
  + Options
    - Configurable units
      * English vs metric
      * LBS vs KG vs Stones?
* Discuss risks
  + New tools - not understanding/knowing how to use tools
  + Schedules - work and home life
  + Keep it simple/limit scope creep
  + Originality - what differentiates us from others?
  + Multiple user functionality - may be too time consuming
  + Limited time for project as a whole
* Project criteria
  + Usefulness - nobody has yet found the best way to do it, there are a lot of other ones out there, none are right yet?
  + Complexity - will be sufficiently complex
  + Originality - it is original because Craig created the concept
* Determine an approach/process to use
  + Waterfall with feedback/iteration
    - Ability to revisit requirements and re-shuffle priorities
    - Need to build in the ability to respond to risks as they arise and difficult requirements
  + Possibly some agile concepts/aspects - prototype and test driven
  + JUnit testing - test driven development
* Assign roles
  + Grace - Leader and QA
  + Craig - Configuration Mgmt
  + Dan - Implementation

**Key Decisions**

* Project name is YAWP - yet another weight-tracking program
* Google code
  + https://code.google.com/p/yawp/
  + We will use SVN on Google code
  + Source code license - Apache License 2.0
  + Labels - health, academic, java
* Time tracking
  + Week start on Sunday
  + Week end on Saturday
  + Get time to Grace by noon on Sunday
* Communication Plan
  + Use Google group for email communication
  + Use Trello for task tracking (to-do and complete) and discussions/brainstorming
  + Use Google Code for document and code repository, version control
* Roles assigned:
  + Grace - Leader and QA
  + Craig - Configuration Mgmt
  + Dan - Implementation

**Action Items:**

* Review terms of Apache license - Dan, Craig, Grace
* Submit time to Grace by noon Sunday - Dan, Craig, Grace