

CSCI 3308

Project Part 1 - Write Up

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- **Who:** Fredrick Lohner, Tristan Hill, Marvin Tann, Austin Holler
- **Title:** TA/LA Tracker
- **Description:** A single place in which to find all LAs and TAs grouped by subject/class/etc (e.g CU Boulder -> Computer Science -> LAs/TAs), as well as relevant information such as contact information and office hour schedules.
- **Vision Statement:** A single place, mobile and web for you to visit in order to get all relevant information about your TAs for you.
- **Motivation:** Because there's a lack of a central location, or database, that has this information readily available. Currently it's difficult and non-intuitive to find TA/LA information for courses/subjects. Often times you'll have to find multiple locations that hold the information, if it even exists, and piece it together yourself.
- **Risks:** Nobody on the team has Database experience and most team members have no formal development experience for working on larger scale projects.
 - Mitigation Strategy:** The use of project tracking software that facilitates communication between team members will allow the more experienced members to help those with less formal development experience, and the fact that databases will be discussed in lecture will allow us to compensate for our lack of experience in the area.
- **VCS:** Github. <https://github.com/FredLoh/SoftwareEngineering3308>
- **List of requirements:**

User Requirements			
ID	Description	Agile Sizing	Priority
UN-01	As a user, I want to be able to have a database for my LA's and TA's so that I can know their information.	20? maybe more?	high
UN-02	As a user, I want a website or extension of a current site to view my TA's and LA's information.	13	high
UN-03	As a user, I would like to be able to access a mobile	13	low to

	friendly version of this website so I can always have access to this information.		medium
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Functional Requirements			
ID	Description	Agile Sizing	Priority
FN-01	As a website designer, I want an easy to use interface that includes TA's/LA's grouped by department/subject and then sub-grouped by class.	8	high
FN-02	As a website designer, I want the user to be able to search for specific LA's or TA's, classes, or subjects/departments.	2	high
FN-03	As a website designer, I want each LA/TA to have their own page with their name, contact information, office and office hours, a photo ID (if possible), and maybe a short description.	13? maybe 3 or lower if we use templates that pull from the database	high
FN-04	As a website designer, I want the user to see if their LA/TA is one for other classes (include on info page with a link to that class).	3	low
FN-05	As an admin, I want the user to be able to leave feedback or notify of changes in TA/LA information so that I can change things accordingly.	3	medium

Non-Functional Requirements			
ID	Description	Agile Sizing	Priority
NF-01	As a student, I want the information I obtain using this website to be accurate and up to date.	5	high
NF-02	As an admin, I want the system to support both small systems, such as a single class, as well as large ones, such as an entire university.	8	medium
NF-03	As an admin, I want the system to be viewable on a wide variety of web browsers and devices.	5	high

- **Methodology:** Agile/Mash-Up

- **Project Tracking Software:**
 - Asana
 - <https://app.asana.com/0/51325845071878/lis>
- **Project Plan**

The screenshot displays the Asana web application interface. On the left, a sidebar shows the 'asana:' logo, navigation links for 'My Tasks', 'My Dashboard', and 'Team Conversations', and a list of projects with 'CSCI 3308 - Project' selected. The main workspace is titled 'CSCI 3308 - Project' and includes tabs for 'List', 'Calendar', 'Progress', and 'Files'. A search bar is located at the top right. The central pane shows a list of tasks under the heading 'View: Incomplete Tasks'. The tasks are numbered 1 through 11, with the 4th task, 'Give me your githubs and finish list of requirements', highlighted. To the right of the task list, a detailed view of the selected task is shown, including its description, a comment from 'Marvin Tann Tristan Hill' about needing GitHub accounts, and a 'Followers' section at the bottom.

Task ID	Task Name	Due Date
1	Contact Info	
2	Ideas	Part 1 Sep 14
3	Give me your githubs and finish list of requirements	
4	Skillssets and Experience	
5	Part 1 - Write Up	Part 1 Thursday 9:30am
6	Part 2 - Agile Experience	Oct 13
7	Part 3 - Testing	Nov 12
8	Part 4 - Interviews	Nov 20
9	Part 5 - Presentation	Dec 7
10	Part 6 - Submission	Dec 8
11		

- **Extra credit**

We talked to the co-director of the LA program, Laurie Langdon, in order to get some feedback. We talked about the feasibility of our idea and the potential to acquire the data required if they already had it available. She told us that they currently do not have any sort of central data (e.g. spreadsheet) for the schedules; that instead every individual professor handles their TA/LA schedules. This alone gave us feedback that suggested that an idea like this is something that could be useful.

We then went and got some direct feedback from our consumers (i.e. students), specifically in CSEL. After a lot of positive feedback from the people we talked to, it's apparent that there is potential for this to be used and appreciated by university students.

Doing a bit more research, on the data side, Gen Chem 1 has over 40 TA/LAs for it but information regarding them is not easily accessible or organized. The fact that this is the case even in the context of just one class, especially given that some TA/LAs likely assist with multiple courses, shows just how helpful this could be. Being able to combine all of this information across a broad spectrum of classes/disciplines and then being able to access it easily would be an answer to an outstanding issue that has yet to be addressed by the university.