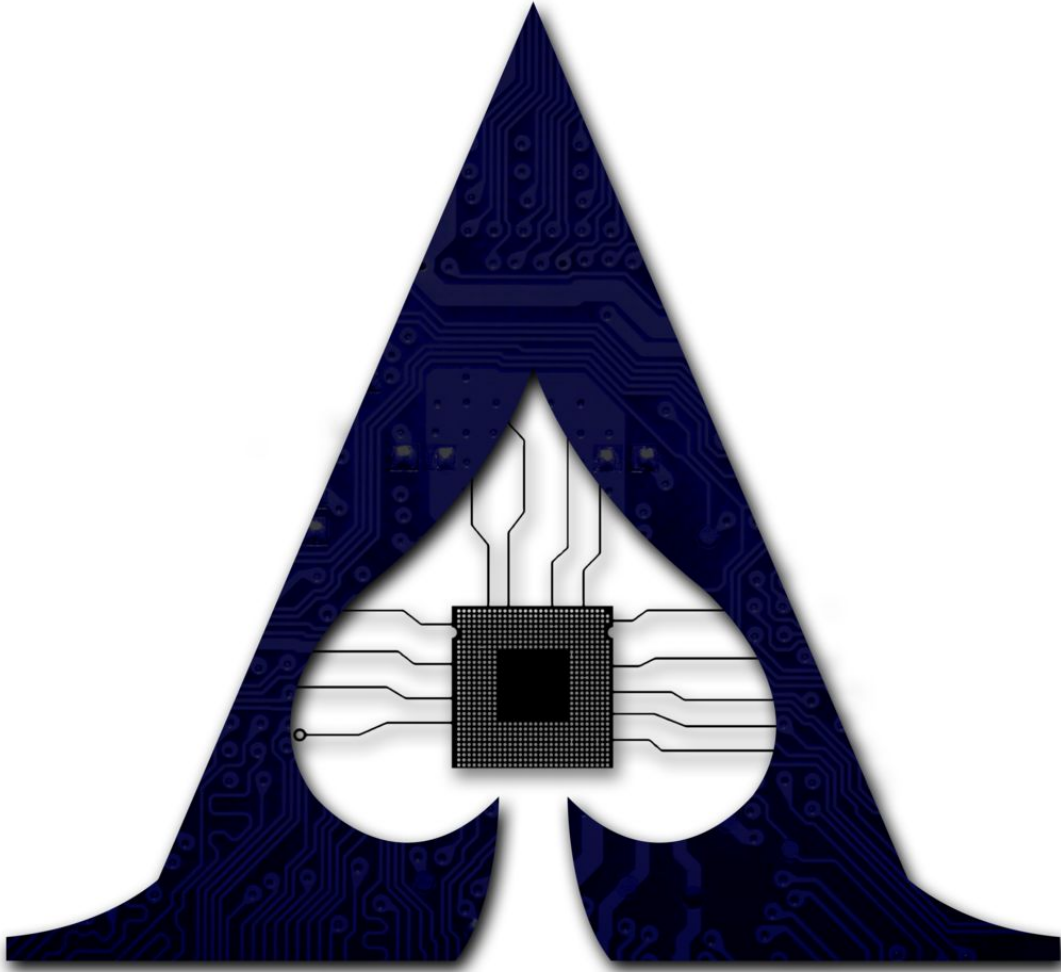


Ace of Spades



*Diana Soto, Gerrit Steinbach, Bar Slutsky,
Kezaram Tharmasegaram and Jonathan Jung-Kyun An*

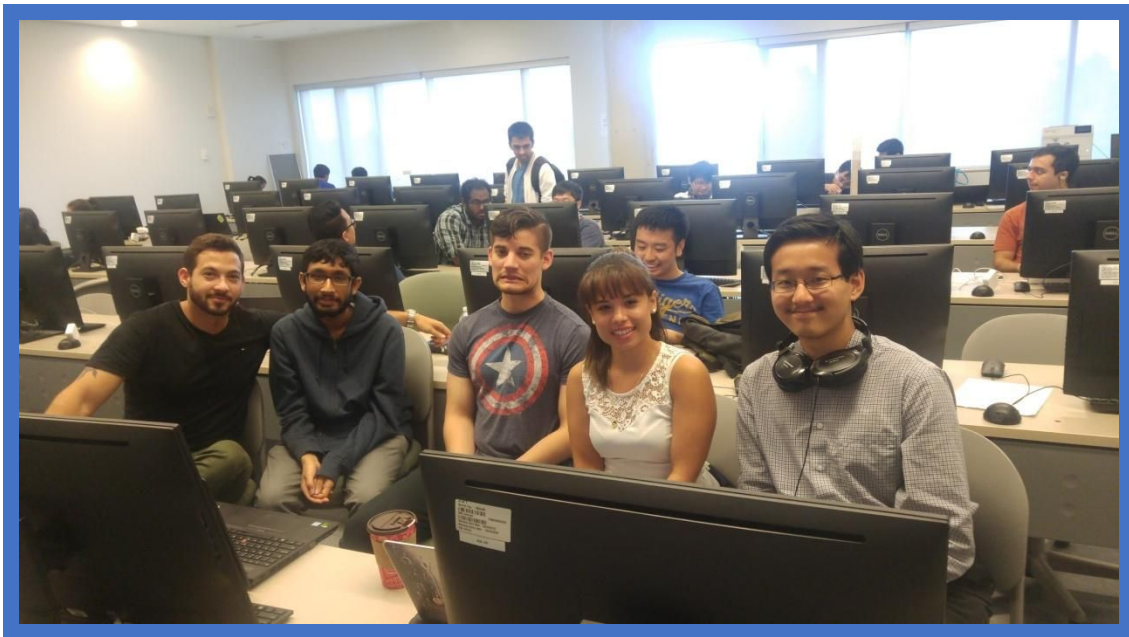
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Our Team

Our main goal as a team is to not only improve our individual project management skills introduced in CSCB07, but to learn and practice various techniques for agile development. Using these techniques, we can successfully meet the client's needs and surpass client's expectations within the project's given timeline.

Each of us have unique strengths and characteristics which makes us stronger as a team. Our team is collaborating daily with good communication. We are also reflecting on past events, open to new ideas and accept criticism well. Moreover, the team is very good with using a process to organize the flow of information and making reasonable decisions. Finally, as a team we are mutually cooperative and each member is dependable. Our slogan - "No one is left behind".



CSCC01: DELIVERABLE 1



My name is Diana Soto, a member of the Ace of Spades team. I moved to Canada in 2007 from my country of origin, Cuba. Currently, I am a 4th year student at UTSC completing a software engineering specialist program in computer science. I am experienced with C, C#, Java, Python, Visual Basic, and XSpin Assembly Language. I am also knowledgeable with object-oriented programming, linked lists, UML diagrams, code reviews, version control (SVN) and unit-testing as well as proficient with SQL, MySQL and SQLite. I am highly organized and like to complete tasks ahead of deadlines, as this allows for time to review and revise before final submission. From this C01 project, I would like to learn how to better manage the development of software to address the client's needs, and work in a group in an efficient and also enjoyable manner. I like learning new languages, and currently I am fluent in English and Spanish, with read-write-comprehension of French. Once my undergrad is completed, I would like to work within the Database Security and Analysis field,

specifically in banking companies.

I am currently a 4th year computer science specialist student in the software engineering stream. The challenge of developing software fascinates me as there are many variables that must be dealt with in the process: determining the needs of the client, designing the software according to the requirements, as well as the limitations of one's knowledge and resources. This in turn leads to dealing with the technical challenges of transforming the design into a functional application.

In 2017, I worked for the Ministry of Education as a part of the Quality Assurance team of the Investigative Case Management System (ICMS). Using HP QC, I reported on application defects, created test cases to ensure the functionality of new features, and scripted automated regression test cases in VBScript using HP UFT. I have also created a document that covered the functionalities of all UI elements and the purpose of all the different screens.



CSCC01: DELIVERABLE 1



I am a current 3rd year computer science student specializing in software engineering at the University of Toronto Scarborough. For this project in CSCC01, I am interested to learn how to work effectively in a team setting and use my skills to fulfill our team's goals. My strengths in programming are geared towards web development and I am proficient with languages such as native JavaScript, Java, C++, Python and SQL in descending order. In terms of accomplishments, I helped visualize Big Data for the IPRAN team at Rogers Communications and improved a few legacy web applications for the Osler Web Services team. Although I have not found a particular aspiration yet, I identify myself as a Software Developer and am happily looking forward to solving humanity's biggest obstacles for progress. Aside from coding, I love to play classical music on my piano, go downhill skiing and occasionally read manga.

I am a 2nd year computer science student, in the software engineering specialist stream. Python is one of my favorite languages to write code in, so I'm excited about learning how to use the web framework Django, which uses Python, for this project. I have experience programming in Python, Java, C++ and familiarity with HTML, PHP and SQL. Learning good software engineering practices while working as part of a team is a great opportunity for me to build useful skills for the future. I like working in a team environment and in the future, I aspire to work as a developer in the tech industry. Last semester, I had the opportunity to be a part of a team project which led to the production of an Android application, and I'm looking forward to seeing the final product for our current project. I enjoy going to the gym and attend yoga classes on my free time.



CSCC01: DELIVERABLE 1



I am a 6th year student after switching my major three times from Physics, Math, and English. I am now pursuing double majors in computer science and history. I hope to learn some more software development skills from this project, as this is an area that is very interesting to me. I am proficient in C, Java, and Python, but also have familiarity with HTML and JavaScript. I am not sure where I will be 10 years from now but I hope to be in a software field. Furthermore, I hope that my experience with humanities as well as computer science will be able to blur the border between highly competent computer users and people not versed in computers. In my free time, I like to read (either novels or historical works), analyze music, work out, and work on private programming projects.



Ace of Spades

Team Agreement

Our Methods of Communication:

- WhatsApp messaging group for any immediate response.
- Google docs for reports.
- Google spreadsheets for scheduling times.
- Slack chat for team communication. To organize info, different Slack channels are set up for discussing deliverables, help with code and brainstorming project ideas.
- Communication with TA will be done weekly on Tuesdays 5-5:45pm and on Slack.
- All messages and communications will be acknowledged and replied to by members within 2 hours. Any response after 2 hours requires a reasonable explanation.

Meetings:

- Tuesdays 1:30-3pm on campus.
- Fridays 3-5pm (if needed) on campus.
- Daily scrum done online to keep track of everyone's progress.
- Mandatory In person meetings attended by all team members in the IC 404 Lab on Tuesdays and Fridays.
- Online meetings are not mandatory but individuals who miss them need to be updated within the same day in order to have consistent progress.
- Each meeting will have a pre-defined agenda. The meetings will be categorized beforehand as status update, conflict, design, risk assessment, etc.

Defining requirements and writing code:

- The requirements for the program will be based on the notes from meetings with the client and our own meetings, as a team.
- Entire team will be responsible for assigned parts of user stories/functionality to implement.

Who talks to client?

Jon and Kezaram are available during client office hours from Wednesday 1-2pm. Other times the client proposes can be discussed in Slack to see who is available. Any information retrieved from the meeting is informed to team through Slack.

Who is tracking progress?

Diana will actively track the weekly progress of the team compared to the agreed upon weekly goals. Any delays will be discussed during the meetings on Tuesday and plans will be revised.

Who plans what to do?

- Smaller project features will be divided amongst individuals.
- More complex features will be done in groups of 2s or 3s.
- We decide who does what based on preference first. If there is a conflict that as a team we cannot resolve, our most neutral and cool-headed team member will try to resolve the conflict based on context and sound facts. As a team, we have agreed to take action to prevent and resolve social conflicts quickly before they escalate.

Keeping Track of Meeting Minutes

Diana will keep track of meeting notes, whether it is face-to-face or online.

Client notes will be done by whoever is available to meet the client. All notes will later be posted on Slack.

Tech Review Research:

Currently, we have decided to do independent learning of Git, Python and the Django framework. Any new technologies, frameworks, libraries that might be helpful can be proposed to the team. Any questions or suggestions regarding these programs can be discussed on a separate Slack chat or in person.

Review and Submission:

We will in pairs rotate weekly to review and test everyone's code. Gerrit will push the final commit to the group repository. If he is unavailable at any point during the course, he will let the team know so another team member will do the commit. Because it is agile, our latest pushed software should work. Therefore, we only push work to the master branch when all our unit tests succeed and the entire group approves.

Version Control and Documentation:

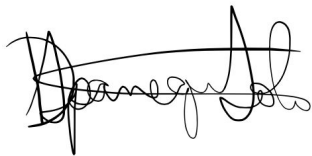
- We use Git version control system and GitHub repository.
- Proper log messages should be made (working functions, current bugs).
- Compile before submitting individual code, eliminating all errors.

Contingency Planning:

- If people do drop, please let us know a week in advance so we have the chance to divide the remaining work.
- If someone is sick for more than 2-3 days or misses meetings, we need to have a conversation with the member. In the case where it persists, the team will speak with the professor on how to proceed.
- We have mutually agreed that no one will be academically dishonest. If anyone requires help with code, they can always ask the team for help and suggestions.

Members Signature:

Diana Soto



Jonathan Jung-Kyun An



Bar Slutsky

Bar Slutsky

Kezaram Tharmasegaram



Gerrit Steinbach

