



CodeShippers - Deliverable 1

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Who Are the CodeShippers?

We're the CodeShippers!



Left (t-b): Richard Gao, Sayon Sivakumaran; **Centre:** Justin Tran; **Right (t-b):** Riyasat Talukder, Henry Huang

Our Goals for CSCC01

Our goal for this course is to create a fully functional application, exceeding client's expectations. We plan to achieve this through properly following the agile methodology and implementing our code using the appropriate design patterns. We want to use our existing knowledge and skills to create an exceptional product, and we are also hoping to learn about new technologies along the way. Aside from creating a great product and learning some new skills, we want to have fun for the duration of the course as well.

What Makes Us a Strong Team

We have a strong and diverse team with many skills and talents. All of our team members have had some work-terms under their belt, and have all gained valuable experience in a professional setting. We are familiar with working in an agile environment and developing to meet client requirements through our coop experiences. This is one of the main strengths within this team as our whole project in this course will be built in an agile environment, making changes if necessary at each iteration. It will help us achieve our goal of building a fully functional application. Another strength that our team has is the amount of technologies that we are familiar with. Having more knowledge and experience with various technologies expands our options for development.

Let's Meet the Crew!



Md Mahfazul Haque Talukder (Riyasat Talukder)

I am a 2nd/3rd year cs student, specializing in software engineering. I have recently completed my first work term as a Web Developer at the Bank Of Canada. During my time there, I have familiarized myself with the LAMP stack. The stack consists of Linux, Apache, MySQL, and PHP. In addition, I have also used Selenium alongside with Behat to perform and create automated tests. My favorite project that I have worked on is the [/info](#) page. In addition, I love attending hackathons and have gone to many during the past 2 years. At my last hackathon, I have developed [Claire](#) alongside my team members. This project was built using flask, GCP, Azure, tweepy, and YouTube data API. During my free time, I like to learn about new topics through online courses, socialize with my friends, and play video games. I am very friendly and love meeting new people.



Sayon Sivakumaran

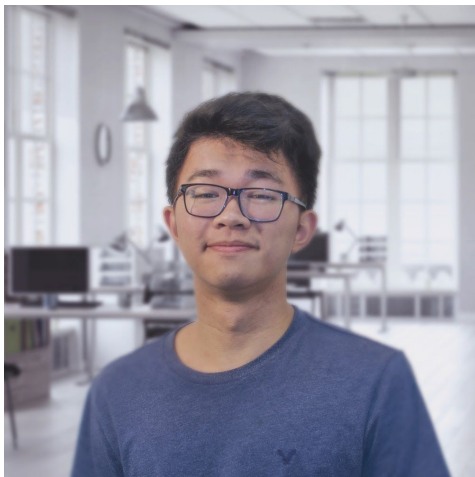
I am a second / third year Computer Science & Statistics student, and am completing the Software Engineering and Data Mining & Machine Learning specialist programs. Recently, I have completed an eight month co-op term at Leonardo Worldwide as a Full Stack Software Developer. Here, I gained the experience of expanding upon a large-scale codebase and dividing tasks among teams in order to complete a common feature. Some of the technologies I used include Marko.js, JavaScript, and SASS for front-end development, Spring Boot, MySQL, Maven, and Groovy for back-end development, and gRPC, Node.js, and GraphQL for API development. I also gained the experience of working in an Agile environment, building microservices, and working with product teams in order to ensure the optimal result. During my free time, I enjoy learning about new technologies and about how to provide optimal performance with technologies I'm familiar with. When I'm not coding, I enjoy watching films and television, listening to music, taking part in physical activity, and socializing with friends.



Justin Tran

I am a 2nd/3rd year computer science student specializing in software engineering. I have recently finished an 8 month co-op work term as a Software Test Developer at Kinaxis. During my work-term I helped author and modify many test and automation scripts, and also created multiple development tools used by my colleagues. I have familiarized myself with many different technologies, working with Jenkins, Jira, Confluence, Git and have experience working in an Agile environment from my time at Kinaxis. I have knowledge of several

programming languages such as Java, Python, C and have some experience with front-end web development. I love learning new things, and this does not only include learning about new technologies. During my free time I like to learn new skills through online courses, and am currently learning about web development through a self-paced online curriculum, and am also learning Japanese as a hobby. I'm very excited to be part of this team, and am looking forward to learning new things during the exciting and challenging ten weeks we have ahead of ourselves.



Xiao Hang Huang (Henry)

I am currently a 2nd/3rd computer science student specializing in software engineering. I personally love solving problems and am passionate about learning new technologies and skills, striving to learn as much as I can. I recently finished an 8 month work term as a full stack developer at Leonardo. From this experience and other projects, I have developed a strong grasp in backend technologies such as Java, Python, Spring Boot, MySQL gRPC, Groovy and Maven. I have also gained experience from building web applications and working on APIs using

MarkoJS, SASS, Javascript, NodeJs and GraphQL. In addition, I was able to practice agile software development in my placement using Jira, work with product clients and learn other technological concepts such as microservices and mobile first development. I see myself as an avid self learner and am super excited to learn new things and work on this project with everybody.



Richard Gao

I am a 3rd year Computer Science student, specializing in Software Engineering. I am an avid problem solver and enjoy coming up with unique and efficient solutions to practical problems that I encounter. I have recently completed a co-op work term as a Backend Developer at Ecobee. During my time there, I gained experience with several technologies, including Java, Python, MySQL, Maven, and Go. Additionally, I gained experience with the Software Development Life Cycle, as well as some experience with front-end web development. I am eager to learn new skills and technologies in order to create the best possible product that our client desires. During my

free time, I enjoy learning about new technologies through several online resources. Aside from computer science, I enjoy socializing with friends, playing video games, and watching films. I am looking forward to working with everyone on this challenging project, and hope to learn as much as possible.

Team Expectations Agreement

Methods of Communication

For the duration of the project, all members of the team agree to use the following technologies for communication purposes:

- Messenger and Microsoft Teams
- Jira

All members of the team are expected to have prompt communication response times, and should not exceed 10 hours, unless notifying other members prior, with or without justification.

Meetings

For the duration of the project, regular meetings will be conducted through Messenger and Microsoft Teams, and it is expected that team members make the effort to attend these meetings. Listed are the scheduled meetings and information regarding the purpose, scheduled date/time, and if attendance is required for each meeting:

- **Meetings with Jaya (Thursday 2-3pm)**
 - Discuss our progress and bring up any issues that we are facing. Also receive further instructions for the project
- **Sprint Planning (Biweekly - Thursday 3-4pm)**
 - Plan and divide the work that will need to be completed in the next sprint, meeting will be conducted by the Scrum Master
 - Attendance is mandatory
- **Sprint Review Meeting (Biweekly - Thursday 3-4pm)**
 - Review the previous sprint and discuss on improvements for next sprint, meeting will be conducted by the Scrum Master
 - Attendance is mandatory
- **Daily Standup (Daily - 12pm)**
 - Update the rest of the team what you have been doing, what you plan to do, and if you are blocked
 - Attendance is mandatory
- **Synchronization Meeting w/ Client (Scheduling will be at the discretion of the client)**
 - Update with client the development of the product, and to ensure that product is up to their expectations
 - Attendance is mandatory for Scrum Master, attendance is optional for all other members

Division and Submission of Work

The team will be following in Agile, and will follow a 2-week sprint. The role of the Scrum Master will rotate each sprint and is decided during the Sprint Planning Meeting.

The Scrum Master has the responsibility of assigning work in the form of tasks, and will assign these tasks to team members before the biweekly Sprint Planning Meeting. The entire team will then review the assigned tasks during Sprint Planning and make any necessary changes.

Tasks should be peer reviewed by at least one other team member before merging/completing.

Submission of work should be made at least 1 day before the deadline and will be submitted by the Scrum Master of the sprint. Work should be reviewed by at least one other team member before submission.

Contingency Plan

In situations where a team member drops out, is inactive for a significant period of time for any reason or not ensuring the guidelines, it will be brought up and addressed with the TA, Jaya or Professor Anya.

Signatures

With my signature, I hereby agree to the following guidelines presented in this document.

Three handwritten signatures are shown in a row. The first signature is for Riyasat Talukder, the second for Henry Huang, and the third for Justin Tran.

Riyasat Talukder

Henry Huang

Justin Tran

Two handwritten signatures are shown in a row. The first signature is for Richard Gao, and the second is for Sayon Sivakumaran.

Richard Gao

Sayon Sivakumaran