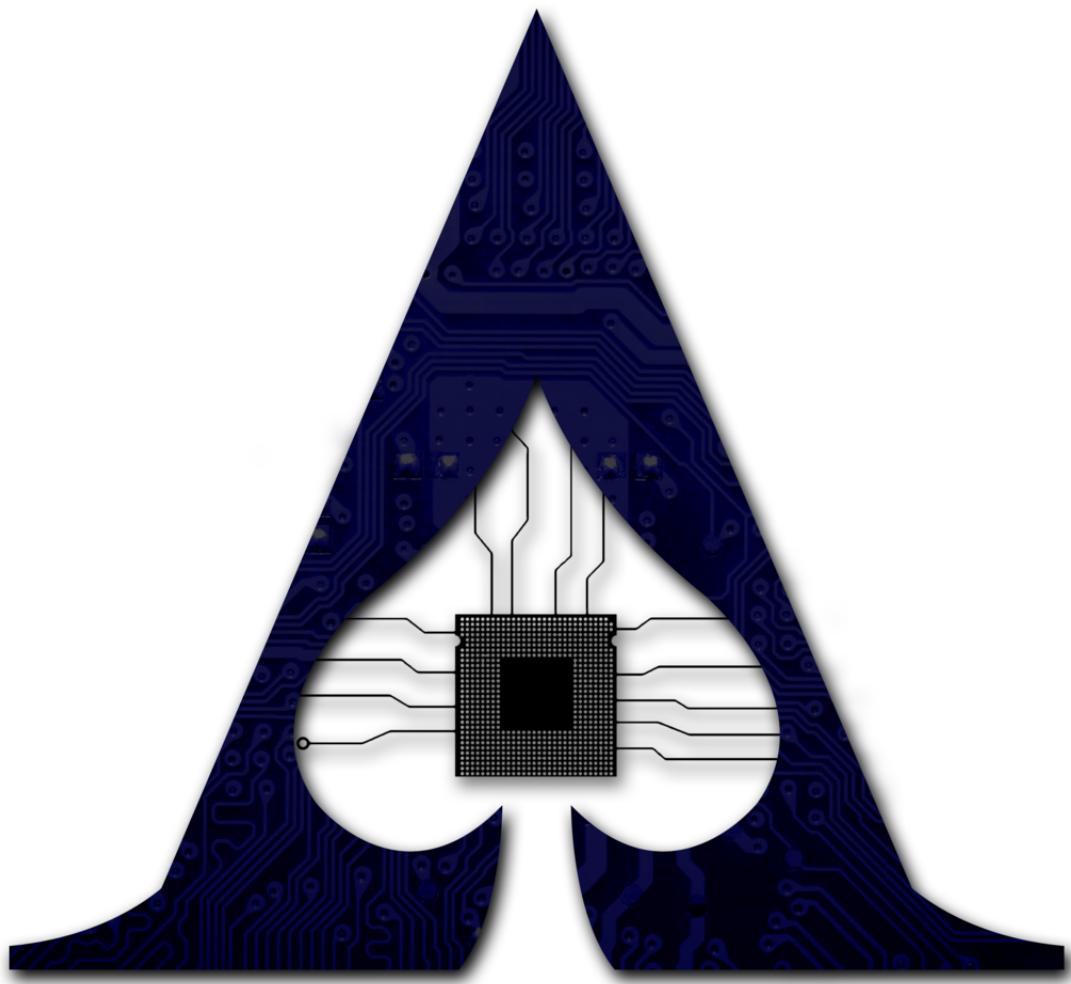


Ace of Spades



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Personas & User Stories

Admin

Professor Nate River

- Male, Mid 40s.
- University of Toronto Professor - Architectural Design.
- Very busy with meetings, doesn't have much time in between lectures.
- Most of the grading is done by the TAs after he provides a rubric.
- Large office, but very messy with papers.
- Does not spend a lot of time with students.
- Does not hold many office hours.
- Knows how to use computers well.
- Likes smart-phones because he does not have to use the computer.
- Does not want to spend a lot of time on the computer.
- Likes marking on paper.
- Gives a lot of informative feedback on student's submissions.
- Serious about his work.
- Very meticulous about the course running smoothly, and passes off announcing/dealing with technical delays to the TA's.
- Does not want to deal with any program errors, but would have the developers answer students directly about any issues.

Professor Paco

- Male, Mid 20s.
- University of Toronto Professor – Computer Science.
- Speaking English and Spanish.
- Likes to make light hearted jokes, but still serious about the content of his lectures and sticking to a planned outline.
- Holds office hours for students very often, and will accommodate meeting times outside of his office.
- Doesn't have a very busy schedule, can learn the software and provide feedback.
- Advanced computer skills, doesn't need much time to get used to different software but does not want to use new systems if they create problems or slow down the course's pace.
- No preference for assignments being submitted online or on paper.

As an Admin, I would like to be able to....

- create a problem set.
- add, remove, and edit problems in an existing collection for a problem set.
- set a due date for an assignment.
- extend due dates for an assignment.
- create a forum for the users of the software
- add users to the software.
- grant TA special access and permissions.
- send public announcements/solutions to the class.
- view and respond to questions from TA's.
- respond to a post on the forum

- remove a post from the forum
- view all and individual student results on specific assignments.
- view all and individual student results on specific questions.
- view a student's grade.
- sort student grades by assignment, first/last name, and ascending/descending marks.
- edit a student assignment mark.
- reset account passwords.
- have a choice from using either feedback templates or giving custom feedback.
- add weight to a specific question in an assignment.
- view bug reports that were sent in.

Instructor

Zheijing Wei

- *Male, 19 years old.*
- Lives in Oakville and commute time is more than 2 hours. Leaves home at 7am and comes back at 8pm. Only has phone available most of the time.
- Very busy with upper-year exams, grading, extracurricular and social life.
- Hates to answer same questions. Wants to make life as simple as possible.
- Procrastinates and works last minute and as a result, responses are very slow.
- Is a recent international student and talks with a soft-spoken accent in class.
- Likes responding online because it's easier for him to translate text before answering.
- Likes to stay organized and structured.
- Passed the course recently but has forgotten some of the terminology and solutions.

Diane Roberta

- *Female, 34 years old.*
- Born in Canada. Fluent speaker of English.
- Recently completed a master's degree and is applying to be a professor of the subject soon.
- Not a tech-savvy person. Will ask for help immediately when something goes wrong. Does not like installing applications that require dependencies.
- Spends a lot of time on the tablet in social media, browsing, emailing, etc., throughout the day.
- Excellent communicator of concepts in person and online.
- Gives long and thorough unpacked replies of how these problems relate to real life.
- Wants to see student progress and encourages students with emojis and bonus points.
- Thinks online visuals and new technology will really help students learn better.

Manmohan Usmani

- *Male, 27 years old.*
- Came from India 10 years ago and graduated UofT soon after. Is currently only doing TA work.
- Is very quick to solve and improvise new problems in his head that are similar to the textbook.
- Likes to work with students one-to-one in person rather than online. He believes students would not understand concepts if they only read it without proof of doing.
- Does not like multi-tasking. Answers questions on a first come first serve basis.

- Is very paranoid about his photos, email and info put online. Also believes in privacy so never picks on students or allows students to see anyone's marks.
- Likes to be up to date and be notified immediately of any news/events.

As an instructor, I would like to be able to....

- get notifications of student messages via the application.
- see student's messages in order of arrival.
- answer assignment questions one-to-one with students.
- make new posts for the class to read.
- see postings of student questions asked publically.
- respond to student posts.
- highlight student responses containing good answer.
- contact the professor regarding course material.
- upload files related to the course material.
- share my uploaded files to aid the students.
- sort listed student marks by assignment, first/last name, and ascending/descending marks.
- track student marks on a weekly basis.
- edit student assignment marks.
- send bug reports to the professor.

Student

Sarah Villanueva

- Female, 21 years old.
- 3rd year Psychology and History double-major.
- Drives to school 3 days a week, total of 1 hour driving.
- Only works at home, not comfortable studying anywhere else.
- Spends minimum amount of time at school, only attends lectures and tutorials.
- Very short attention span; gets distracted very easily.
- Not very organized, doesn't plan her studies.
- Starts assignments early, tends to drop things in the middle and move to other things as soon as anything new is assigned, while having a hard time tracking progress.
- Hates quantitative subjects, but taking this course as a requisite.
- Having a particularly hard time focusing on stats/math for extended periods of time.
- Doesn't care about achievements in this course, only concerned with passing. Probably won't bother with any extra work.
- Very popular and social, spends most of her time with friends.
- Her friends are very diverse and some of them are taking this same class.
- Takes advantage of her friends with help in studies.
- Comfortable with "poptech" like Facebook, Instagram etc. since using them a lot.
- Generally slow with learning about new technology.

Brian Thompson

- Male, 20 years old.
- 2nd year computer science specialist.
- Commutes to school every day, total of 2 hours.
- Comfortable doing school work on the bus, and pretty much anywhere.
- Spends a lot of time planning learning-strategies because he needs structure when studying.

CSCC01: DELIVERABLE 2

- Good at managing his time, and likes to be able to estimate tasks' lengths.
- Likes math and comfortable with quantitative subjects.
- Very good with computers and technology in general.
- Likes tinkering and being able to customize things.
- Uses sites like Khan academy and likes the benefits from the concept of going through material, followed by questions that cover that material.
- Cares a lot about achievements, and a perfectionist.
- Gets Highly motivated by positive feedback
- Starts assignments as soon as assigned, tries to finish as fast as possible before starting anything new.
- Will always go the extra mile in order to maximize his results. Welcomes any opportunity for extra work.
- Would be more engaged with online learning material if there were questions that had hints and additional resources, such as the textbook, where could refer to for extra help.

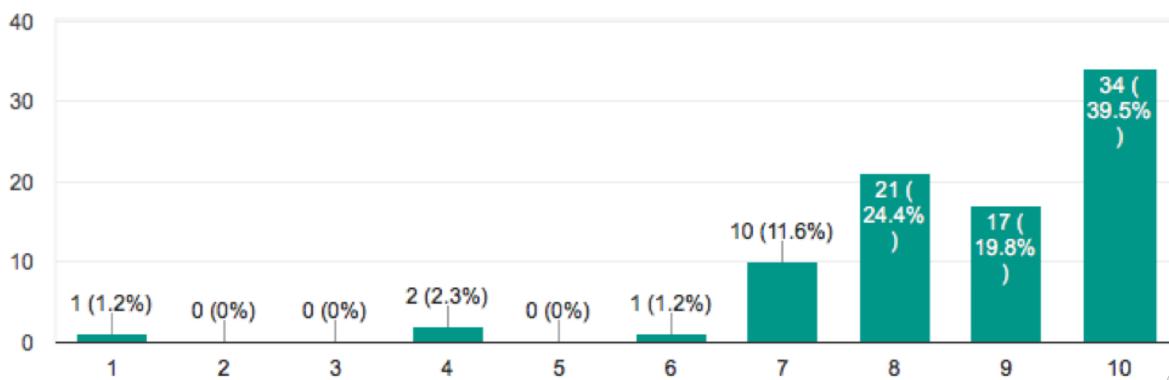
As a Student, I would like to be able to....

- view assignments that are posted
- review info about assignments (e.g. due dates and progress)
- complete an assignment.
- receive Immediate feedback for assignment
- view relevant material before/during taking the assignment.
- save my progress in the middle of work, so that I can close the app and come back to it later.
- review my entire work after submission.
- be able to post questions to get a response from instructors
- be able to answer other student questions
- get notification of instructor response
- view my past results for any assignment.
- would like to be able to be able to unlock more practice questions
- customize the user interface to my liking.

Survey Results from students taking STAB22-Fall 2017

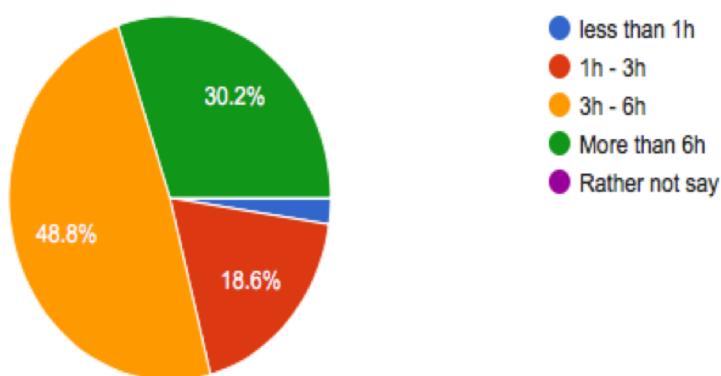
Do you learn better when you get immediate feedback for your questions?

86 responses



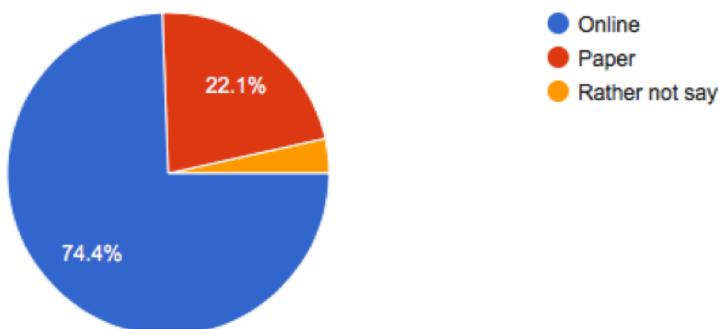
How many hours a day do you spend on your computer?

86 responses



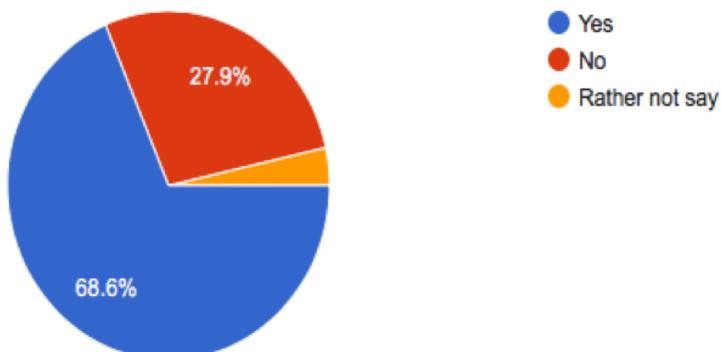
If you had an assignment, would you rather have an online assignment or paper assignment?

86 responses



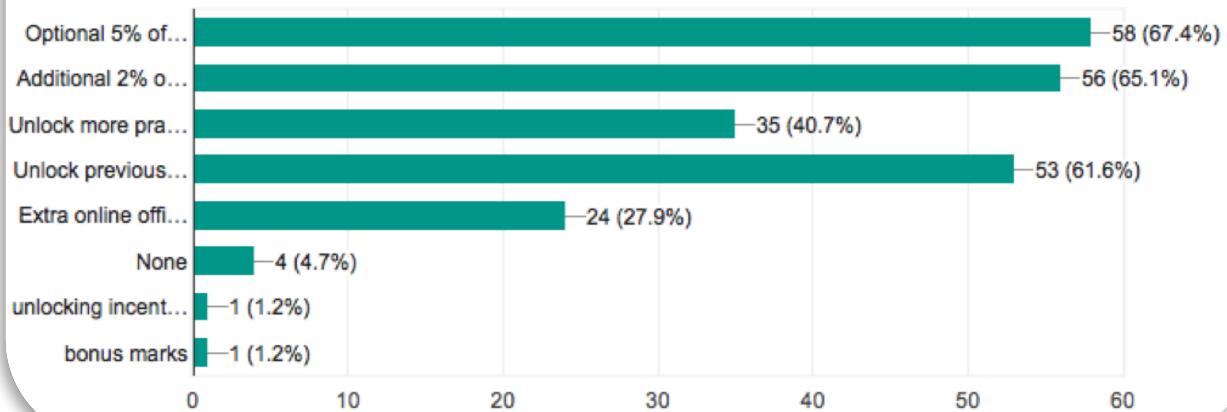
If your learning was in a game format, would you find it more engaging?

86 responses



What kind of incentives would you like? (select all that apply)

86 responses



Note: Please see link below for all the questions that were asked from students, these were most relevant and significant to our implementation design choices.

https://docs.google.com/forms/d/1ItPfNFCXlwuwBYjC78sfrb41h5v8amKjeAeD0BQ_2pY/edit#responses