
Personas and User Stories

Version 0

Team: L02_04

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Personas

Student Personas:

Sara Bai

- 20 year-old student, female, Canadian-born-Chinese, in 2nd year at UTSC.
- Speaks English fluently.
- Specialist in Sociology with a 2.5 CGPA.
- Loves to read long papers and write essays, but hates math.
- Low technological competence, only uses her computer to watch videos on YouTube, basic usage of MS Word to write essays and uses default web browser on computer to check UTSC Portal.
- Uses a very basic Nokia phone to make phone calls and text.
- She always prints her homework off the computer because she hates reading off a computer screen.
- Takes STAB22 as an elective, since she was told it was an easy A.
- Doesn't want to spend too much time learning software for an elective course, just to complete assignments.
- Wants to just use her uToronto credentials as opposed to making a new account as it would be too much work.
- Likes to divide her assignments and homework into several parts to complete them in smaller chunks, over time.
- Would rather do hardcopy assignments because she believes using software will complicate things.
- Likes to be prepared and caught up for every lecture and before doing every assignment.

Lucas Liu

- 20 year-old student, male, from China, in 3rd year at UTSC.
- Speaks English and Chinese fluently.
- Double major in Statistics and Physical Sciences
- Introvert and autistic, never wants to communicate with people and enjoys staying alone in a room.
- Good computer skills: uses applications like the Microsoft Suite, Dropbox, Skype, computer games
- Typically too lazy to do homework because it's too boring and not engaging enough, would rather play video games like Dota 2
- Very interested in exploring new software and reading about new technologies.
- Works 25 hours a week at a retail store, trying hard to balance work and school.
- Likes to do a lot of practice and do as many problem sets as he can to prepare for tests and understand material
- Hates when professor give limited examples to work on
- Wants to be able to redo assignments to get the best possible mark.
- Appreciates how software looks and loves to use aesthetically pleasing software.
- Doesn't always have internet connection though, so prefers to have a desktop app rather than web app

Alice Smith

- 22 year-old student, female, single Irish-Canadian.
- Lives on residence, with constant access to the school's wifi.
- Speaks English and Irish Gaelic.
- Specialist in Statistics, learns new things quickly and has strong multitasking abilities.
- Passionate about academics, outgoing and spends her free time getting her work done as soon as possible, tries to learn the fastest way of doing everything.
- Loves technology and has access to the cutting-edge of technology.
- Proficient in MS Suite, Photoshop, Final Cut Pro, and numerous other softwares.
- Only likes to do assignments once and disregards them afterwards, not looking at them again.
- Gets frustrated easily when it takes multiple steps to do something simple.
- Is a visual learner, so likes to look at graphs and charts which will help her learn the material better.
- Likes to work on mobile devices like her phone or tablet because its more convenient for her to carry around, rather than a desktop or laptop.
- Likes to keep track of her performance in assignments and other course work she has done.

Professor Personas:

Professor Obi Wan-Too-Thrie

- 65 year-old professor, female
- Speaks English and Hindi
- Works as a professor in the Statistics Department where she mainly teaches introductory statistics courses.
- Prefers to use simple software that is straight forward and uncomplicated.
- She can only perform tasks when someone teaches her and follows the exact same steps
- Little exposure to technology, no cell phone and uses very basic functions in MS Word and Excel to enter grades of her students.
- Teaching style: lets students practice on their own to figure out their own method of approaching problems.
- Doesn't use software that is not engaging or interesting aesthetically
- Currently has students print out exercises to do and hand in at tutorial, but those take really long to be marked (2-3 weeks)
- Teaches classes as large as 1000 students and is usually unable to go over exercises in lecture
- Wants to be able to generate many different questions and types for students through the software, so that students can work them out at home.
- Wants software to be intuitive and familiar to the current software she uses, like MS Word and Excel.
- Believes that gamification(virtual rewards) of exercises/ assignments will increase student's interest in learning and course content.

Professor Bob

- 35 year old stats professor, male with no wife or kids
- works at a the university of Toronto with a degree in both Computer Science and Statistics as a Professor and researcher
- Prof Bob is a full time professor that teaches multiple first and second year courses on Statistics
- Likes to be very organized, likes predictability and things to be done quickly and efficiently
- Speaks English only
- Used to use software for assigning and having students answer questions, but it has become outdated, confusing to use and didn't have sufficient functionality (adding graphs, attachments to questions), which made him frustrated and stopped using it
- good computer skills in the Microsoft Suite, multiple IDEs and terminal
- Has at most 100 students in each class and only a couple of TAs to mark course work since Prof Bob is constantly busy doing research and writing papers
- wants to be able to quickly and easily create and upload questions and distribute them amongst all students
- wants students to be able to provide immediate feedback once students finish an assignment
- Likes to see how the class is doing and what material they are struggling with
- his teaching style is that he prefers students learn by example, rather than memorizing theorems, hoping using the system will allow for abundant question generation to provide many examples to learn and prepare with for exams
- want to give students as much practice / retries on different assignment questions until the deadline of the assignment

User Stories

- As a Professor (Obi-Wan-Too-Thrie), I want to be able to create different types of questions like multiple choice, fill-in-the-blanks, matching, etc.
- As a Professor (Obi-Wan-Too-Thrie), I want each student's version of each question to be different, by having randomized numerical values.
- As a Professor (Bob), I want to assign graphics to questions.
- As a Professor (Bob), I want to be able to add/edit/delete questions from my database.
- As a Professor (Bob), I want to be able to select questions from the database and create an assignment (a collection of questions) for the students to answer.
- As a Professor (Bob), I want to view/edit/remove questions from my database after I've created them.
- As a Professor (Bob), I want to be able to store all my questions and the corresponding answers in a database by topic.
- As a Professor (Obi-Wan-Too-Thrie), I want to register a professor profile.
- As a student (Sara), I want to be able to make a student profile.
- As a Professor (Bob), I want to toggle the visibility of assignments for students, so that students won't see drafts of the assignments.
- As a Professor (Bob), I want to set a timeframe for when assignments can be completed. (i.e. If it's 1 week of visibility. At the end of 1 week, the assignment's visibility is automatically turned off).
- As a student (Alice), I want to be able to see a list of assignments that I have completed and ones that I have not yet completed.
- As a student (Sara), I want to know the deadline of each posted homework.
- As a student (Sara), I want to view which homework is graded.
- As a student (Lucas), I want to be able to answer the questions using this system and submit the assignment.
- As a student (Sara), I want the online homework system to allow me to save my current answer and quit an unfinished homework.
- As a Professor (Obi-Wan-Too-Thrie), I want a set of questions belonging to an assignment to be automatically marked as soon as a student completes it, so that they get immediate feedback.
- As a professor (Bob), I want to be able to store the student's highest, most recent grade on an assignment in the database.

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- As a student (Sara), I want to know the mark of all the tests and the solution of the last test done.
 - As a Professor (Bob), I want to see how many students get each question right or wrong, so that I can gauge the class performance.
 - As a Professor (Bob), I want assignment feedback to consist a list of correctly and incorrectly answered questions, the number of questions answered correctly in percentage and also the correct answers for questions that were answered incorrectly.
 - As a student (Lucas), I want to be able to redo assignments with new questions until the deadline so that I can get the most practice on a topic.
 - As a Professor (Obi-Wan-Too-Thrie), I want one occurrence of each selected question in a single assignment.
 - As a Professor (Obi-Wan-Too-Thrie), I want an assignment to re-generate random values each time a student attempts an assignment.
 - As a Professor (Bob), I want to be able to create multiple lectures for each class I teach, if I need to.
 - As a Professor (Obi-Wan-Too-Thrie), I want to be able to add students to a class, so that they can view and complete any assignment questions in the course.
 - As a student (Sara), I want to login to the online homework system using my UTORid and password.
 - As a Professor (Obi-Wan-Too-Thrie), I want to create badges and rewards for students depending on their performance on assignments, so that the gamification aspect increases interest.
 - As a student (Alice), I want to receive a notification/email indicating when a new assignment has been uploaded, so that I can finish it as soon as possible.
 - As a student (Sara), I want to know the related chapter of each posted homework.
 - As a student (Sara), I want to be able to save the assignment as a PDF, and other formats and print it so that I can work outside the app.
 - As a student (Lucas), I would like to return to where I stopped when reopen the app.
 - As a student (Alice), I want to track and see my progress on an assignment or set of questions with a progress bar.
 - As a student (Sara), I want the online homework system to have a tutorial to teach me how to use this system when I first use it.