

Personas

Keith M. Emerson (student)

- Male, 20, 2nd year student, woman studies enthusiast
- Unemployed and the majority of his free time is used job searching
- Does not own a cell phone and prefers face-to-face communication
- Does not like the idea of an online system for the course, but will use it if improves his learning experience
- Does not like micromanage details, prefers an overview of a situation
- Tries to attend most of his classes
- Uncomfortable with technology

Robert A. Mizell (student)

- Male, 29, 3rd year post-grad student
- Leader of the anime club at UTSC
- Fluent in 4 different spoken languages
- Working on “Hello World” Thesis
- Specializes in writing ‘Hello World’ programs (over 300 different languages)
- Spends most of his time online, frequently works at his friends
- Likes all meme enabling technology and browses memes all day
- Lazy and wants short assignments so he can play video games
- Proficient in many mainstream technologies
- Likes to personalize his working environment

Kelly Russell (student)

- Female, 17, 1st year full time student
- Doesn’t speak much English
- Excellent programmer
- Shy, prefers online communication
- Makes sure to attend all classes
- She dislikes group work
- Does all her coursework on campus
- Spends free time reading in the library
- Does not play games
- More interested in the theory rather than practical

Bongani Vratislav (TA)

- Male, 22, TA
- International student from Africa
- Has a girlfriend back in Africa, facetime every night
- Speaks fluent english
- Comfortable with technology, knows some programming
- Spare time is limited, would like to spend as little time marking as possible
- Wants to be able to mark with minimal setup time

Miroslav Donato (professor)

- Male, 40, Ph.D in Biostatistics
- Satisfactory knowledge in technology
- Doesn't know LaTeX
- Enjoy face to face meeting with students to discuss question related to the course
- Always looking for more ways to engage his student to the course materials
- Host weekly office hours but not a lot of students shows up
- Spend time listing out errors in students' solution
- Open to provide assistance with students who are not doing well on assignments

Matija Coenen (professor)

- Female, 62, Ph.D in Anthropology
- Proficient in most modern technology
- Very proficient in LaTeX
- Doesn't hold office hours, usually keeps door locked
- Doesn't give students a break during 3 hour lecture
- Reads off slides, but doesn't use projector
- A really nice person when you get to know her
- Speaks with a heavy accent
- Wants to use WeBWork strictly for grading
- Has built up a collection of assignments over the years

User Stories

Students: Keith, Robert, Kelly

TA: Bongani

Professors: Miroslav, Matija

Core Functionality

1. As Matija, I want to create questions.
2. As Matija, I want to create new assignments.
3. As Miroslav, I want to be able to set correct answers to each question in an assignment.
4. As Keith, I want to be able to view assignment questions.
5. As Kelly, I want to be able to answer assignment questions.
6. As Kelly, I would like to be able to submit my assignment answers.
7. As Miroslav, I want to be able to assign a mark to every student assignment submission.
8. As Bongani, I want to be able to write feedback for every assignment submission.
9. As Keith, I would like to view my marks and feedback for each assignment.
10. As Robert, I would like to view the solutions of each assignment.

Administrative/Workflow/User Roles

11. As Miroslav, I want to have control of the visibility of each assignment.
12. As Matija, I want to set the visibility of assignment questions and solutions based on dates.
13. As Matija, I want course instructors and students of the course to be able to login to the system with their own accounts.
14. As Miroslav, I want to be able to add instructors and students to my course.
15. As Miroslav, I want to be able to remove instructors and students from my course.
16. As Miroslav, I want to be able to have different types of questions such as multiple choice, fill in the blanks, true/false
17. As Matija, I want to edit existing assignments.
18. As Miroslav, I want to be able to customize the assignment questions for each student.
19. As Miroslav, I want to select sets of assignment questions & solutions from an existing library.
20. As Miroslav, I want students to be able to redo assignments if it is before the due date.

Other Functionality (Supportive Functions/Statistics & Reports/Gamification/Integration)

21. As Miroslav, I would like statistics of the students progress/results.
22. As Matija, I want to identify and display the class average of an assignment.
23. As Keith, I want to be able to keep a personal log of the work I've done and revisit past submissions.
24. As Keith, I want to be able to store an offline copy of my completed assignments on my laptop.

25. As Miroslav, I want instructors to keep a copy of the latest version of each student assignment submission.
26. As Keith, I would like to be able to request a detailed explanation to any of my errors.
27. As Bongani, I would like to be able to reply to questions about grading.
28. As Miroslav, I would like to be able to manually change an individual's assignment grade.
29. As Miroslav, I would like to post FAQs that are visible to all students.
30. As Miroslav, I would like every question to point to relevant resources to assist students.
31. As Kelly, I would like to have notifications of assignment details as they are updated.
32. As Matija, I want to have the option to push notifications.
33. As Matija, I want to be able to set rewards on student assignments based on a mark threshold.
34. As Robert, I want to gain rewards depending on what mark I get on the assignment.
35. As Keith, I would like to solve related problems in practice mode to prepare for tests.
36. As Kelly, I would like to have online chat sessions with instructor.
37. As Keith, I want to book appointment with the instructor.
38. As Matija, I want student questions directed to TAs.
39. As Keith, I want the system to provide positive reinforcement.
40. As Robert, I want to integrate my FB account to share my results with friends.
41. As Robert, I want to be able to work in teams.
42. As Robert, I want to have team competitions for assignments.
43. As Robert, I would like to personalize the website with my own pictures.
44. As Matija, I want to upload my existing collection of assignment questions.

Core Functionality

User Story: As Matija, I want to create questions for every assignment.

Task 1: 2 Story Points

Page to create questions, save question as file to course folder.

Dependency: None

Task 2: 5 Story Points

Page to read a question file, interpreter to display the question with random variables.

Dependency: T1

Task 3: 2

- 45. As Matija, I want to create new assignments for my course.
- 46. As Miroslav, I want to be able to set correct answers to each question in an assignment.
- 47. As Keith, I want to be able to view assignment questions.
- 48. As Kelly, I want to be able to answer assignment questions.
- 49. As Kelly, I would like to be able to submit my assignment answers.
- 50. As Miroslav, I want to be able to assign a mark to every student assignment submission.
- 51. As Bongani, I want to be able to write feedback for every assignment submission.
- 52. As Keith, I would like to view my marks and feedback for each assignment.
- 53. As Robert, I would like to view the solutions of each assignment.

https://docs.google.com/spreadsheets/d/1qGCMbwRS4PQH4BQMISwA_cZppVYD3NjbPqRWy4Yv9N0/edit?usp=sharing

