Requirements Document

2/9/2019

Goals

Our goal is to help students living and studying better.

DuckMommy is a service aiming to help your study with all the information you want to know about your courses.

User Personas

User type	Student
Name	Yuan Zhang
Gender	Female
Age	18
Location	New Jersey
Objective	Yuan is a student studying in Stevens. She wants to be able to know the shuttle information before she go to school.

User type	Professor
Name	Y
Gender	Male
Age	41
Location	New Jersey
Objective	Y is a professor. He wants our product to help him to improve his teaching form students' feedback

User type	Administrator
Name	Z
Gender	Female
Age	30
Location	New Jersey
Objective	Z is a school administrator. She wants to assure the teaching quality of each courses.

User Stories

Student

As a studnent, I want to get notification of class-related information before each class, so that I can know the weather and shuttle information before class.

As a student, I want to get reminded when they need to start a homework.

As a student, I want to get reminded when they need to submit a homework.

As a student, I want to view workload information for each course during course registration period, so that I can choose the course suitable for me.

As a studnet, I want to provide feedback about a course after course completion, so that the professor can hear my voice.

Professor

As a professor, I want to know students' feedback, so that I can adjust my teaching plan accordingly.

School administrator

As a school administrator, I want to know the comment on a professor from students. so that I can know the teaching quality,

User Story Map

STUDENT

PROFESSOR

SCHOOL ADMINISTRATOR

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STUDENT						PROFESSOR	SCHOOL ADMINISTRATOR
Get notification of class-related information before each class	Set Reminders on when to start a homework/assignment.	Set Reminders on when to submit a homework/assignment and get alerts for the same.	Homework Aide View about courses workload during/before course registration.	Homework Aide to Provide feedback about a course after course completion.	Getting information about shuttle time	Feedback about a course	Overall Administration and view feedbacks on different professors.

ser tasks

STUDENT						PROFESSOR	SCHOOL ADMINISTRATOR
Students log in the system and then the DuckMommy website with Stevens' ID and input their credentials, the user info is sent in a relevant format into the database.	The Students can login to the website and set reminders about homework completion.	The application accesses the canvas portal using an API and get's all the homework/assignment related information.	The students log in to the application and are asked to read the evaluation of a class/course.	The students log in application and choose a class to type feedback and submit their response.	Students log in the system and then the DuckMommy website with Stevens' ID and input their credentials, the user info is sent in a relevant format into the database.	Professor login our application with their credentials and have access to feedbacks.	School administration has root access/admin privileges to our application and use the same to login.
Upon successful login into the canvas portal after entering the correct credentials, students can access their records from the database.	Our application accesses the data using canvas API & help to complete the h/w on time.	The application sends an alert upto 12 hours before the deadline to give ample time for completion.	Application searches the database if there is any relevant information about the requested course/class	The application store the feedback in the database	Students can click on our navigation tab to get details about the shuttle.	They select the courses they have taught and respond to queries, comments or feedbacks.	Can view feedbacks on different professors, departments and also review the same.
Access course and class related information and set reminders as per the students preference.	Application sends message alerts to students at specified set time with homework information.	Application send message to students at setting time	If not, the application calculate the entire number of homework and guestimate the grade of own n/grade each homework aid/final exam such normal distribution or average. After that, the application store it in database	Students can log in to the application and ask to read the evaluation of a class.	They can report problems and broadcast on the app regarding shuttle delays and route changes.	Professors can make changing to the coursework, assignments, quizzes and increase/ decrease the difficulty level.	View students' feedback about the professor, and the feedback report about the course, which is summarized from students' feedbacks on the assignments, quizzes, team assignments, and exams.
Access Google API for providing real time weather information and also location based information for helping students find directions to their classes.			The information is then retrieved from the database and then displayed on the screen.	Application retrieves information from the database and displays it on the screen.			
Application sends class timings, weather & location info and other information to students via Text message or Email.							