DUCKMOMMY WEEK2 REPORT

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OVERVIEW

- User story
- Prioritized Features
  - Priority Gragh
  - Chosen features in MVP
- Architecture
- Team work summary

REQUIREMENTS

We listed users stories to help us get detailed features
a user would want.

STUDENT - USER STORY 1

As a student, I want to get notification of **class-related information** before each class so that I can be better prepared for classes

- Log in to DuckMommy webpage
- Choose whether they need to get a before-class notification
- Choose the way of notification they prefer (by email or message)

- Choose what information they need as notification (classroom number, location of building, weather forecast, clothes and umbrella suggestion)
- Set when they prefer to receive notification (30min before class? 1h before class?)
- Receive notification before each class
- Cancel the notification

STUDENT - USER STORY 2

As a student, I want to get **reminded when I need to start a homework** so that I don't need to hurry to do schoolwork at the last minute

- Log in to DuckMommy webpage
- Choose whether they need to get a homework reminder for each assignment
- Choose the way of notification they prefer (by email or message)
- See the estimated time for each assignment
- Set the reminder
- Get the reminder

PROFESSOR - USER STORY 1

As a professor, I want to see how students feel about my course after a semester so that I can adjust the difficulty and contents if necessary

- Log in to DuckMommy webpage
- Select a course s/he taught
- View the feedback report about the course, which is summarized from students' feedbacks on the assignments, quizzes, team assignments, and exams
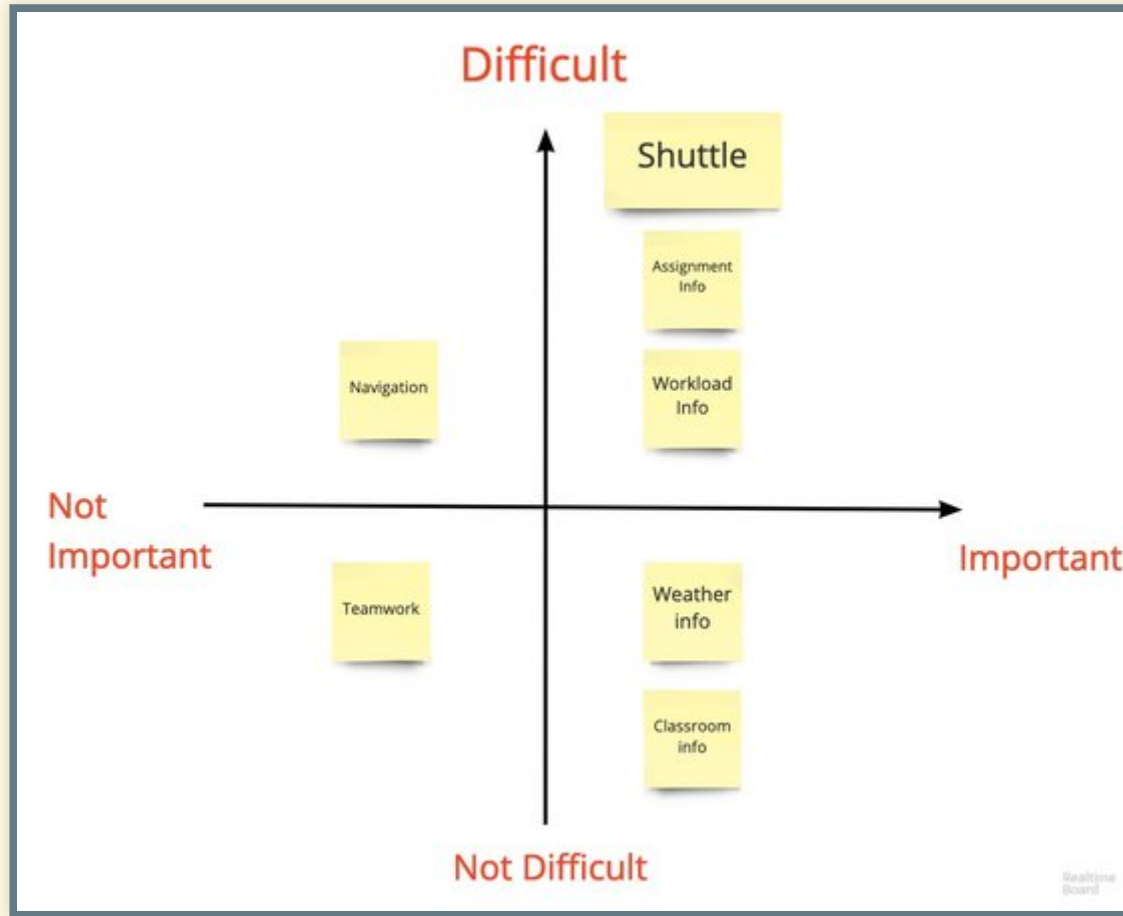
USER STORY BOARD

Product Users

STUDENT | PROFESSOR | SCHOOL ADMINISTRATOR

User activities

| 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. |

User tasks

| 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 whole number of homework and quiz and calculate the grade of each quiz and each homework and final exam with 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. | | | | | | | | | |

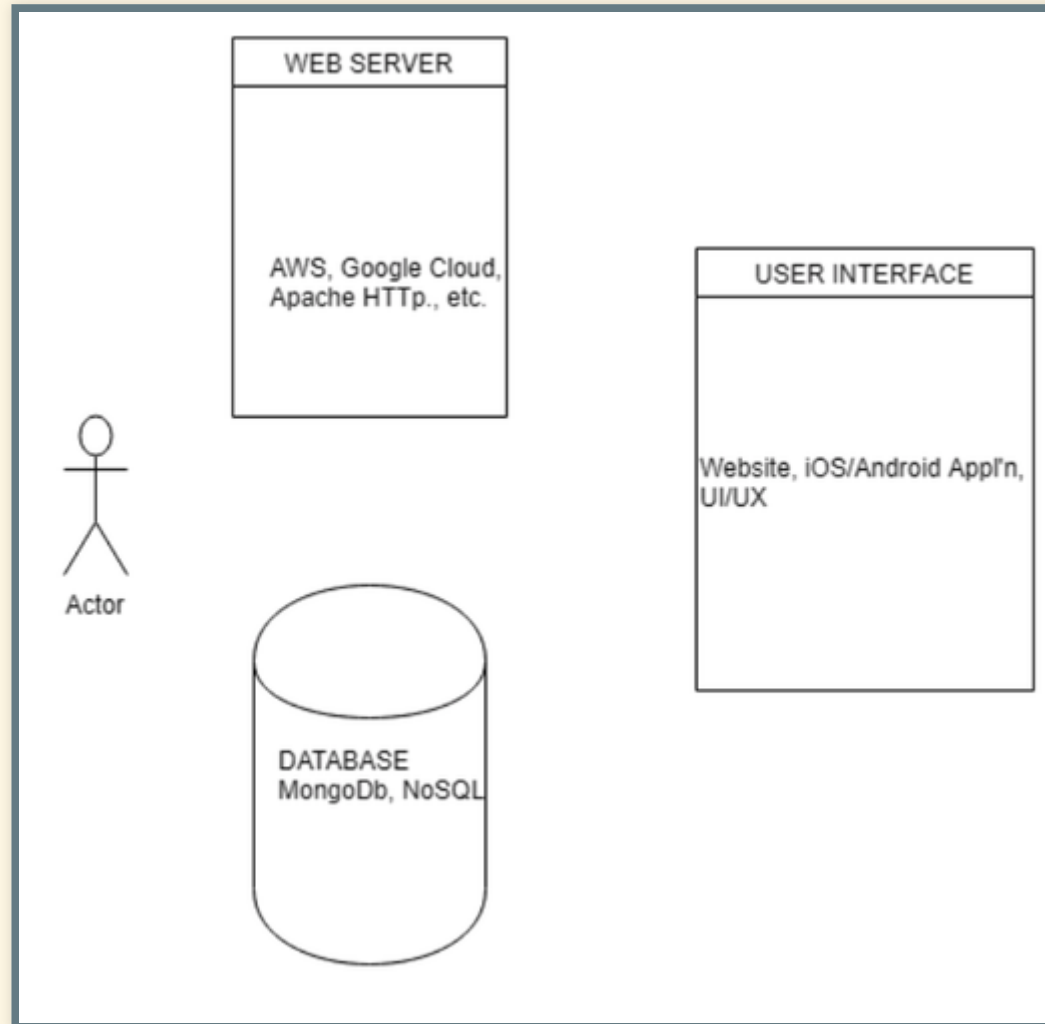Realtime Board

PRIORITIZED FEATURES

FEATURES IN MVP

- Weather forecast & clothes, umbrella suggestion
- Classroom info reminder
- Homework due time reminder
- Homework begin time reminder
- Course and professor feedback (all users)
- Workload review

FEATURES IN THE FUTURE

- In-App chat feature.
- Video or call features for team meetings.
- Automated ChatBot.
- Full fledged Android/iOS application.
- Fingerprint or Facial recognition in app for enhanced security.
- Customer support (If the user-base increases).

ARCHITECTURE

WEB SERVER

AWS, Google Cloud,
Apache HTTp., etc.

USER INTERFACE

Website, iOS/Android Appl'n,
UI/UX

Actor

DATABASE
MongoDb, NoSQL

TEAMWORK SUMMARY

- :-)
  - Better communication (Github & Meeting, Slack)
  - Better splitting work
- :-(
  - Get on the same page
  - Need better plan

Thank you!

Questions?