Due Date: Noon of Jan 24th, 2025

Vision Statement:
Format consistent and organization focused academic manager that enables students and teachers to easily view, create and understand course material, assignments and grades.

Team Members:
- Timothee de Raucourt
- Elvis Kuang
- Nathan Kwok
- Tyronne Lucas
- Sean Murphy

Client (Nathan's Sister in Teacher's College):
- Name = Amanda Kwok
- Currently, in Queen's university for a Bachelor of Education (BEd).
- (I will put a better description later)

Technical Specifications:
- Website
- <u>Frontend</u>: React
- <u>Backend</u>: Django

Features:
➢ Student view
➢ Teacher view (admin)
➢ Create, Read, Update, Delete classes, star/modify classes
➢ Assignments (create, delete, modify, add due dates, etc…)
➢ Scores
➢ Grades, GPA
➢ Deadline management, calendar
➢ File uploading and reading, Accept different file types
➢ Username, password, update password, create an account.
➢ Track student progress (in the form of timeline graphs, etc…)

Iterations	Deliverables
ITR0	● planning and client stuff
ITR1	● Student view and teacher view
ITR2	● Student view and teacher view ● Classroom and courses

	● Working database ● Backend testing ● Homepage ● Assignments and grades
ITR3	● Track student progress ● Deadline calendar ● File upload ● Users for students/teachers (login, logout, create) ● Create, Delete, Update, Read assignments, courses, etc

What needs to be finished? - Criteria

☑ ~~A vision statement:~~
  ➢ One-page statement
  ➢ Title,
  ➢ Summary
  ➢ Sentence that describes the overall scope of your project,
  ➢ Several paragraphs containing…
    i. More detail about your vision for the project.
    ii. Description of what the project is (including who the users are),
    iii. Why the project is valuable, and the
    iv. Success criteria that indicate the goal(s) of the project.

☑ ~~Big User Stories~~:
  ➢ Describe the main features of your software in very broad terms, for the entire project.
  ➢ Create 4 big stories (categories of features) for the entire project (final release).
  ➢ Written on 3"x5" index cards
  ➢ For the big stories, the detail will be brief

☑ ~~Iteration 1 detailed user stories:~~
  ➢ Create 6 user stories you plan to implement per iteration.
  ➢ For the user stories, the detail should be more precise and may include unanswered questions
  ➢ Each user story should be based on 1 of the big stories to that gets completed per iteration.
  ➢ Written on 3"x5" index cards
Note that there are typically 3 weeks between each iteration.

☑ ~~Meeting (Nathan will get it done)~~
☑ ~~planning map~~
  ➢ (mapping of stories to each iteration and stories to team members for

Academic Manager System Vision Statement

This one-page statement consists of a title, a summary sentence that describes the overall scope of your project, and several paragraphs containing more detail about your vision for the project. It should include a description of what the project is (including who the users are), why the project is valuable, and the success criteria that indicate the goal(s) of the project.

The Academic Manager System (AMS) will be used as a platform to organize and manage educational classes, students, and assignments. It will be accessible to both administrators and students, with tailored views for each group. The student view will be specifically designed for young exceptional learners and students with special needs. The admin view will be designed for teachers, allowing class management and student progress tracking. The AMS also will feature a gamified progress system to engage students and motivate them, making the learning experience more interactive and enjoyable.

Each student's academic journey will be tracked using an engaging merit-based progress system. Students can earn points through merits such as attendance, submitting assignments on time, participation, etc. These points can accumulate and can contribute to the student's "level". With this merit based progress system, students are encouraged to engage with class material.

The student-view is a dashboard accessible only to that unique student, consisting of the course(s) the student is enrolled in. The student-view is designed to be child friendly with features being audience specific UI/UX design. Each course is managed by its course admin, and displays features such as their personal gamified statistics, homework, progress tracking, and deadlines.

The administrator-view is a dashboard accessible only to teachers of homeroom classes, this will consist of a list of current students and their info, the ability to assign new assignments, the ability to create new activities, and the ability to grade assignments and activities. Furthermore to personalize things more we will give administrators the ability to create notes to students regarding performance, or other uses.

The system will serve as an introduction to online based learning for young students, instructing students on how to interact and work with online educational platforms. This is a major improvement to platforms like Google Classroom, that typically require additional assistance from teachers and administrators for students to use.

Iteration 1 big user stories:

- Describe the main features of your software in very broad terms, for the entire project.
- Create 4 big stories (categories of features) for the entire project (final release).

Feature #1: Student view	
Description: Allow students to create accounts and interact with assignments and activities	
Priority: High	Cost (time required) : 11 days

Feature #2: Gamified Progress System	
Description: Gamify the progression system for classes using XP, levels, and other typical video game inspired mechanics.	
Priority: Low	Cost (time required) : 7 days

Feature #3: Child-friendly	
Description: Make system Child-friendly to cater towards younger audiences	
Priority: Medium	Cost (time required) : 8 days

Feature #4: Administrator View	
Description: Allow teachers and staff to access and manage students as well as create assignments and activities	
Priority: High	Cost (time required) : 10 days

Iteration 2 updated big user stories:

Feature #5: Classrooms, Assignments, Grades, etc	
Description: Create classroom, assignments and grades models in django, and rework existing models to work with them.	
Priority: Medium	Cost (time required) : 2 days

Iteration 1 detailed user stories:

➢ Create 6 user stories you plan to implement per iteration

Feature #1: Display student information - Tyronne

Description: Allow students to enter in their information including birthdays, names, hobbies, or academic statuses.	
Priority: High	**Cost (time required) :** Planned: 4 days Actual: 1-2 days

Feature #2: Modify student information - Elvis	
Description: Allow students and teachers to modify (delete, add, edit) student information such as grades, name, age, etc.	
Priority: High	**Cost (time required) :** 2 day

Note: Not completed as DB was set up in ITR2. Will complete it in ITR3.

Feature #3: Enter grades & transcript - Nathan	
Description: Allow teachers to enter grades for their classes and transcripts that compile all grades from all classes cumulatively for student view	
Priority: High	**Cost (time required) :** 2 days

Note: Grades and Transcript should be completed after assignments. Replanned to be completed in ITR3.

Feature #4: Update Academic history	
Description: Allow teachers to update academic history for a students in the case of a grade dispute or an error	
Priority: Medium	**Cost (time required) :** Planned: 1 days Actual: 1 days

Note: Not completed as DB was set up in ITR2. Will move to ITR3.

Feature #5: Display list of courses - Sean	
Description: Allow students and teachers to view a students list of courses for the term & add courses to the list.	
Priority: Medium	**Cost (time required) :** Planned: 2 days Actual: 2 days

Iteration 2 updated detailed user stories:

Feature #1: Classroom
Description: Allow students and teachers to view subjects, teachers, and students of a

particular class or classroom	
Priority: High	**Cost (time required) :** 3 day

Feature #2: Assignments	
Description: Students should be able to submit assignments and receive grades on those assignments. Teachers should be able to create assignments.	
Priority: Low	**Cost (time required) :** 2 day

Feature #3: Transcript/Grades	
Description: Students should receive grades in a report card. Teachers should be able to submit grades	
Priority: Medium	**Cost (time required) :** 1 day

Feature #4: XP/Level up system	
Description: Students should "level up" based on their progress in classes.	
Priority: Medium	**Cost (time required) :** 1 day

Feature #5: Login/Logout	
Description: Students and teachers should be able to login and logout	
Priority: High	**Cost (time required) :** 3 day

Planning Map

mapping of stories to each iteration and stories to team members for iteration 1)

Big User Story	ITR1	ITR2	ITR3
Iteration	Student and Admin View	Child-friendly + Student and Admin View	Gamification

Names	User Story	Other Tasks
Nathan	#3: Enter grades & transcript	Version control documents + managing folders + managing

Sean	#5: Display list of courses	Initial Django + DB Setup + REST
Elvis	#2: Modify and delete student information	Meeting coordination, meeting minutes, change logs etc.
TJ	#1 Display student information	
Timothee	#4: Update Academic history	JEST Tests

Changelog:

ITR2:

Most features that required the database to be set up were not completed in ITR2. This was because the database took longer than anticipated to set up and get working with the frontend. We've adjusted our expectations accordingly and shifted some user stories and deliverables to ITR3. Some new user stories and big user stories were added to add some new features given the progress we've made.