

### **Week 3 Iteration 1:**

#### **1. Register:**

**User Story:** As a user, I want to register an account so that I can have account access to the application.

**Task:** Create a *onCreate* method in register class to store account information from user input.

Create a *onClick* method in register class to handle error input from registering an account.

Create a *onSuccess* method in register class to construct the user data structure.

#### **2. Login:**

**User Story:** As a user, I want to have access to login into my account to the application so that I can access into the application for further operations.

**Task:** Create a *onCreate* method in login class to link homepage and register pages.

### **Week 4 Iteration 2:**

#### **2. Login(Continue from the last iteration):**

**Task:** Create a *onAuthenticationError* method in login class to authenticate data.

#### **3. Homepage:**

**User Story:** As a user, I want to have a homepage so that I can see my brief profile and my recent dues.

**Task:** Create *homepage* class which extends *baseActivity* class to make the homepage be able to be viewed.

Create a navigation drawer and enable user to access each individual pages

### **Week 5 Iteration 3:**

#### **4. Add Course:**

**User Story:** As a student, I want to have Add Course so that I can add my course to the course page.

**Task:** Create *AddCourse* class to adding, editing, and updating the course records.

#### **5. Course Page:**

**User Story:** As a student, I want to have a Course Page so that I can see what courses I am taking and track the process of my current courses.

**Task:** Create *CoursePage* class to create, view and edit the courses.

### **Week 6 Iteration 4:**

#### **6. Add dues & deadlines:**

**User Story:** As a student, I want add Dues & Deadlines so that I can Add my recent dues and deadlines

**Task:** Create *IndividualAssignment* class to create, edit, and update assignment records.

#### **7. Dues & Deadlines Page:**

**User Story:** As a student, I want dues and deadlines page so that I can keep track of my current dues & deadlines anytime.

**Task:** Create *AddAssignment* class to make the dues and deadlines viewable.

## **Week 7 Iteration 5:**

### **8. Grade Policy:**

**User Story:** As a student, I want to add grade policy to each course so that I can calculate my grade regarding to the grade policy

**Task:** Create a *setGpaThresholdLetter* method in *Course* class to add the rules of calculating GPA.

### **9. Four year plan:**

**User Story:** As a student, I want to have Four Year Plan so that I can keep track of my graduating or course-taking process.

**Task:** Create a *FourYearPlan* class to edit the courses, and drag and pull the courses in four year plan.

### **10. Add Quarter in Four Year Plan:**

**User Story:** As a student, I want to have Add a quarter to Four Year Plan page so that I can keep track of my quarters in the Four Year Plan page.

**Task:** Create a *Term* class to add a quarter to the Four Year Plan page.

## **Week 8 Iteration 6:**

### **11. Add Course in Four Year Plan:**

**User Story:** As a student, I want to have Add a course to Four Year Plan page so that I can keep track of the courses under my quarters in the Four Year Plan page.

**Task:** Create a *addTermCourses* method in *Term* class to add a course under the created quarter of the Four Year Plan page.

### **12. Divide quarters into Past and Future:**

**User Story:** As a student, I want to have divide quarters into past and future so that I can keep track of my past and future quarters and courses in Four Year Plan page.

**Task:** Create a *myPastTerms* and *myFutureTerms* maps to store the information of the past and future quarters.

## **Week 9 Iteration 7:**

### **11. GPA Projection:**

**User Story:** As a student, I want to have projection feature so that I can see how my current GPA and term GPA have changed during past few quarters.

**Task:** Create a *getHighestPossibleGrade* method in *Course* class to implement the GPA Projection by using the variables in *gradePage* and *gpaCalculator* classes.

### **12. 3 Senario Test:**

**3 Test Cases:** Register, login; AddCourse; Four Year Plan.

## **Week 10 Iteration 8:**

### **13. Setting:**

**User Story:** As a user, I want setting so that I can set the app with my preferences.

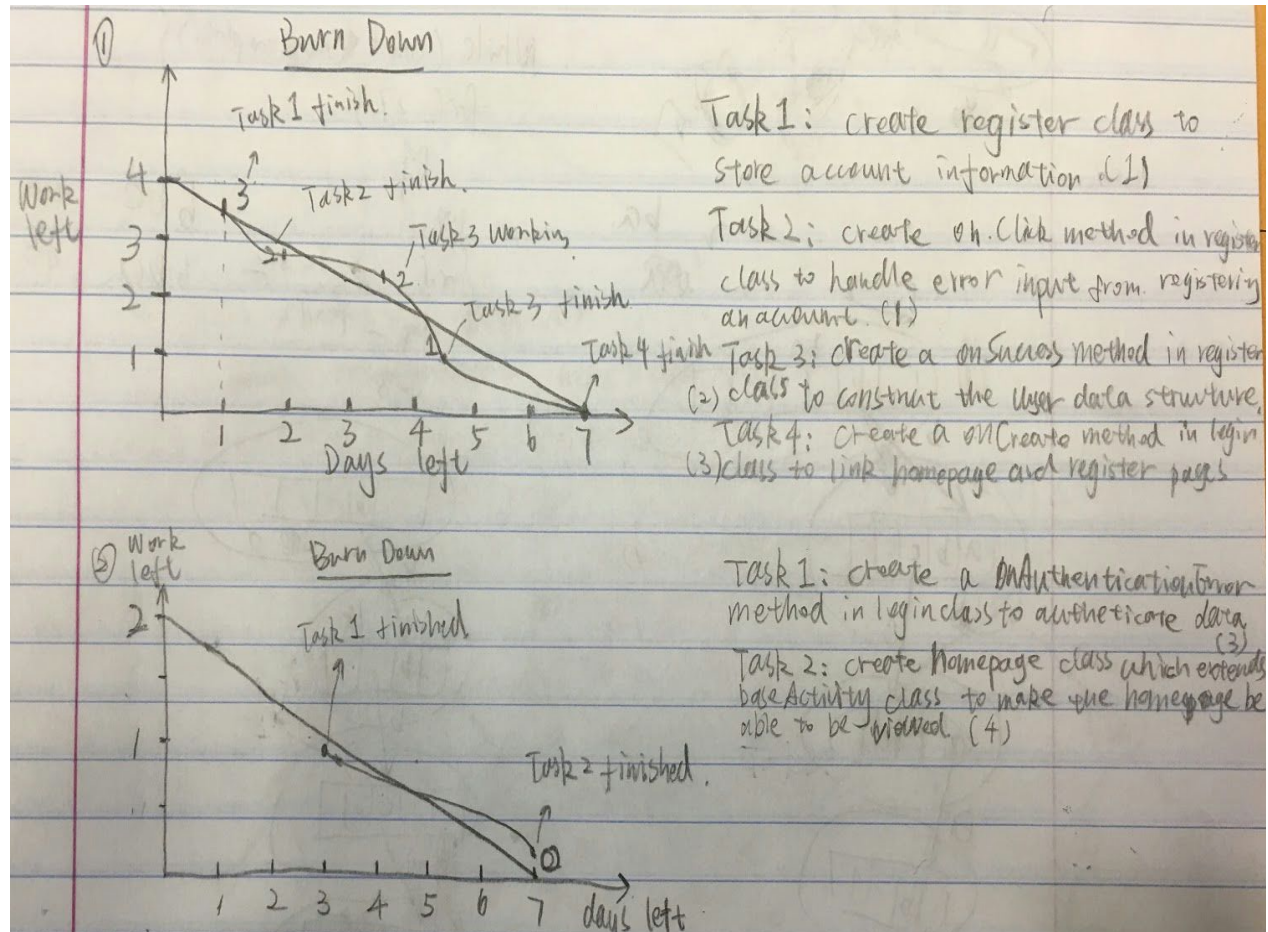
**Task:** Create a *setting* class to edit and set the application setting with user's preferences.

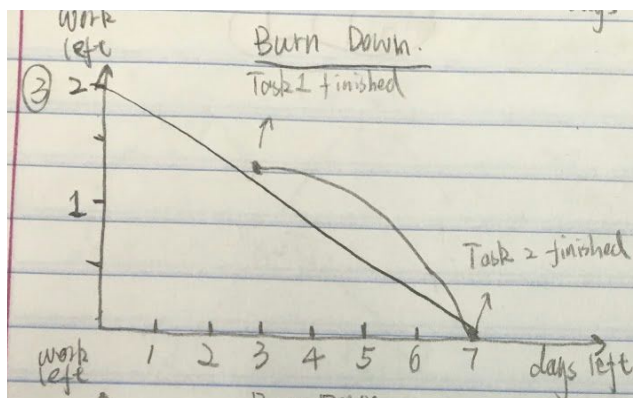
#### 14. GPA tracking feature:

**User Story:** As a student, I want to have GPA tracking feature so that I can know how many A's and B's I need in order to reach my desired GPA.

**Task:** Create a *gpaTracking* class to implement the gpa and calculate out the A's or B's a user is desired to get.

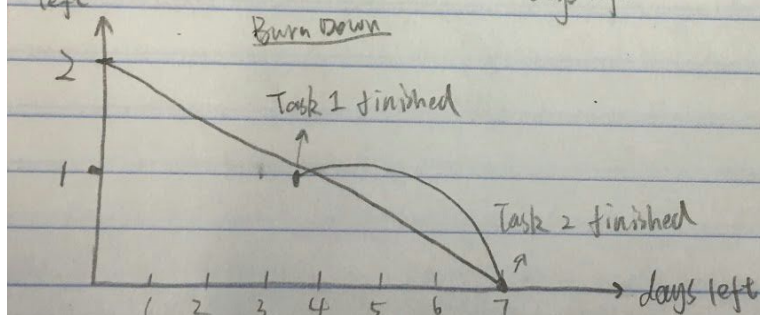
Burn-down Chart:





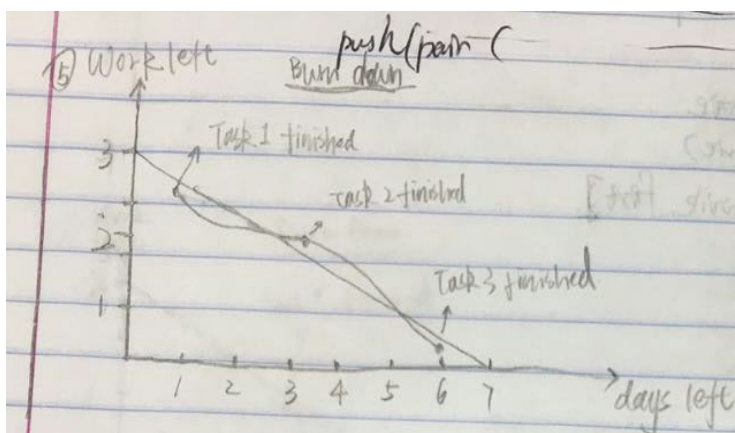
Task 1: Create Add Course<sup>class</sup> to adding editing, and updating the course records. (3)

Task 2: Create CoursePage class to create, view and edit the course. (4)



Task 1: Create Individual Assignment class to create, edit, and update assignment records. (4)

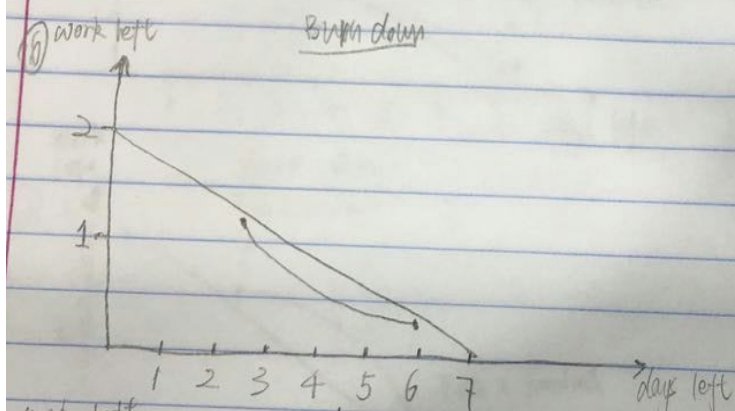
Task 2: Create Add Assignment class to make the dues and deadlines viewable. (4)



Task 1: Create a setGpaThreshold method to add the rules of calculating GPA.

Task 2: Create a FourYearPlan class to edit the courses, and drag and pull the courses in four year plan.

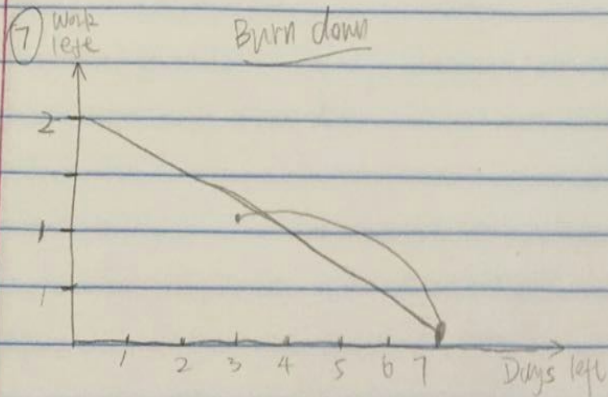
Task 3: Create a Term class to add a quarter to the Four Year Plan page.



Task 1: Create a addTermCourses method in Term class to add a course under the created quarter of the Four Year Plan page.

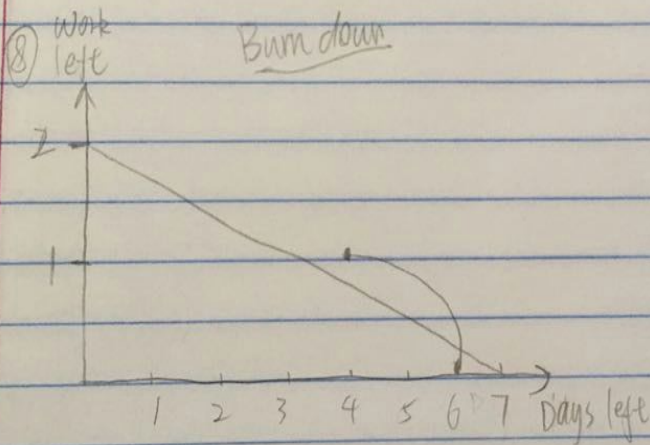
Task 2: Create a myPastTerms & myFutureTerms maps to store the information of the past and future quarters.





Task 1: Create a `getHighestPossible` method in `Course` class to implement the GPA projection by using the variable in `gradeType` and `gpaCalcu` class.

Task 2: 3 scenario Test: Register, login; Add course: Four Year Plan



Task 1: create a `setting` class to create and set the application setting with user's preference

Task 2: create a `GpaTracking` class to implement GPA and calculate out the A's or B's a user is desired to get