

# **Project Plan**

## **Group 2:**

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## **Author Note:**

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## Revision History

Document	Date	Description	Editor	Email
PP001	2018-08-31	Creation of original document	William Rios Crespo	<a href="mailto:william.rioscrespo19@gmail.com">william.rioscrespo19@gmail.com</a>
PP002	2018-08-31	Review	John Abueg, Josh Kerley	<a href="mailto:j.abueg13@gmail.com">j.abueg13@gmail.com</a> <a href="mailto:jkillakerlz@gmail.com">jkillakerlz@gmail.com</a>
PP003	2018-09-02	Revise document for submission	John, William, Michael, Josh	<a href="mailto:j.abueg13@gmail.com">j.abueg13@gmail.com</a> <a href="mailto:jkillakerlz@gmail.com">jkillakerlz@gmail.com</a> <a href="mailto:william.rioscrespo19@gmail.com">william.rioscrespo19@gmail.com</a> <a href="mailto:lancastermc@gmail.com">lancastermc@gmail.com</a>
PP004	2018-09-08	Update Project Schedule	Michael Lancaster	<a href="mailto:lancastermc@gmail.com">lancastermc@gmail.com</a>
PP004.1	2018-10-09	Update Operating Platform Specifications	John Abueg	<a href="mailto:j.abueg13@gmail.com">j.abueg13@gmail.com</a>
PP004.2	2018-10-10	Update Schedule, added requirement	John Abueg	<a href="mailto:j.abueg13@gmail.com">j.abueg13@gmail.com</a>
PP004.3	2018-10-11	Update Document Format	Michael Lancaster	<a href="mailto:lancastermc@gmail.com">lancastermc@gmail.com</a>
PP004.4	2018-10-11	Update Schedule	John Abueg	<a href="mailto:j.abueg13@gmail.com">j.abueg13@gmail.com</a>

# **PROJECT**

## **PLAN**

### **1. Requirement Specifications**

a) Using NetBeans or Eclipse, group #2 will develop a Java application that generates a grade calculator that calculates a total score for a class based on grades and weighted averages supplied by the user. The app should have the following project functional requirements:

- Accept assignment names, weight, and grade.
- Save accepted inputs.
- Load saved data.
- Calculate grade based on provided data.
- Do NOT accept letter grades and invalid inputs such as special characters.
- Display maximum, minimum, mean, median, and standard deviation scores.
- Offer ‘what if’ scenarios to calculate hypothetical grades.
- Provide a graphical user interface, offer ease of use.

b) Java source code will be develop adopting the conventional Google Java style guide.

c) Create a test plan that examine the functionality of the application.

### **2. Requirement Specifications**

a) Development platform with minimum hardware and software configurations:

- 800MHz Intel Pentium III or equivalent; 512 MB memory; 750 MB of free disk space; Windows 7 or Windows 10; NetBeans; JDK 7 or JDK 8; Java SE 7 or Java SE 8.
- 1.8GHz dual-core Intel Core i5; 8GB memory; 128GB of free disk space; Mac OS X; Eclipse; Java 8 JRE/JDK.

b) Operating platform:

- 800MHz Intel Pentium III or equivalent; 512 MB memory; 750 MB of free disk space; Windows 7 or Windows 10; JDK 7 or JDK 8; Java SE 7 or Java SE 8.
- 1.8GHz dual-core Intel Core i5; 8GB memory; 128GB of free disk space; Mac OS X; Java 8 JRE/JDK.

### 3. Software Management

Group #2 will utilize GitHub as a version-controlled software to provide availability to group members by providing copies of the application in parallel while retaining the baseline configuration as the main trunk. Therefore, subsequent copies of the file are designated as branches which allows backward compatibility to old design if needed.

### 4. Project Schedule

Task	Duration (days)	Start Date	End Date	Personnel
1. Project Requirements	7	08-27	09-02	
a. Writing	4	08-27	08-30	Michael, William
b. Self Review	2	08-31	09-01	Josh, John
c. Revise document for submission	1	09-02	09-02	Michael, William, Josh, John
2. Project Analysis	7	09-03	09-09	
a. Analyzing	4	09-03	09-06	Josh, John
b. Self Review	1	09-07	09-07	Michael, William
c. Peer review project requirements & project plan	1	09-08	09-08	Michael, William, Josh, John
d. Revise document for submission	1	09-09	09-09	Michael, William, Josh, John
3. Project Design	7	09-10	09-16	
a. Project Design	4	09-10	09-13	Michael, William, Josh, John
b. Self Review	1	09-14	09-14	Josh, John
c. Peer review project analysis	1	09-15	09-15	Michael, William, Josh, John

d. Revise document for submission	1	09-16	09-16	Michael, William, Josh, John
4. Project test plan and ICD	7	09-17	09-23	
a. Project test plan and ICD	4	09-17	09-20	Michael, William, Josh, John
b. Self Review	1	09-21	09-21	Michael, William
c. Peer review project Design	1	09-22	09-22	Michael, William, Josh, John
d. Revise document for submission	1	09-23	09-23	Michael, William, Josh, John
5. Implementation and Testing	7	09-24	09-30	
a. Implementation and Testing	4	09-24	09-27	Michael, William, Josh, John
b. Self Review	1	09-28	09-28	Josh, John
c. Peer review project test plan & ICD	1	09-29	09-29	Michael, William, Josh, John
d. Revise document for submission	1	09-30	09-30	Michael, William, Josh, John
6. Final Deliveries	16	09-30	10-14	
a. Code	9	09-30	10-08	Michael, William, Josh, John
b. Test Data	2	10-9	10-10	Michael, William, Josh, John
c. User's Guide	6	10-6	10-11	William, John
d. Self Review	1	10-10	10-10	Michael, Josh
e. Final peer review	1	10-11	10-11	Michael, William, Josh, John
f. Revise document for submission	1	10-12	10-12	Michael, William, Josh, John