# *Configuration Management Plan Document*

Group: Segmentation Fault

## *Introduction*

**Overview description of Software Project:** Our software project involves developing an Android health and fitness tracking application that users can utilize to monitor their health and fitness goals.

**Software Configuration Items:** CI's include Android application development studios, Mobile Android phones, Our Use Case diagrams, Our Domain Models, Java and XML Programming languages, Public Caloric databases.

## *SCM Management*

**Travis Tovey** - Lead Software Developer
*Purpose/Objective:* Develop the health and fitness application using software compatible for Android systems.

**Raven Goodell** - Project Facilitator
*Purpose/Objective:* Facilitate the project and applications progress, while maintaining and editing needed documents and programs.

**Vincent King** - Documents and Diagrams Supervisor
*Purpose/Objective:* Update, edit and create the needed documents and diagrams needed for this application.

**Chris Vogel** - Product Integrity Supervisor
*Purpose/Objective:* Ensure that the application we create is created as intended and is in accordance with our plans.

**Garrett Caruso** -  Application Tester
*Purpose/Objective:* Test the product application to ensure the application works properly and there are no bugs.

# SCM Activities

**Software Configuration Items:** CI's include Android application development studios, Mobile Android phones, Our Use Case diagrams, Our Domain Models, Java and XML Programming languages, Public Caloric databases.

**Activities To Be Performed:** Program a functional developmental phase version of our calorie counter application. Program a login menu. Implement a main menu which takes user information. Implement a developmental phase calorie counter from the main menu. Program an interface for the user to input their goals. Record these goals and other user data such as height, weight, age, and name. Allow User to input raw caloric values. Implement barcode scanning for caloric intake. Use data from a public caloric database to count users' caloric intake. Update Sprint review and all other documents pertaining to our project and application. Push all new material to Github. Implement a functional beta version of our application.

# SCM Schedule

**Activity Completion Schedule IN ORDER of Needed Completion:**
- Program a login menu
- Implement  developmental phase calorie counter from the main menu.
- Program a functional developmental phase version of our calorie counter application.
- Update Sprint review and all other documents pertaining to our project and application
- Implement a functional beta version of ou  r application
- Push all new material to Github

## Deliverable Deadline Dates
Deliverable 0 - February 14, 2021
Deliverable 1 - February 28, 2021
Deliverable 2 - March 14, 2021
Deliverable 3 - March 28, 2021
Deliverable 4 - April 11, 2021
Deliverable 5 - April 24, 2021
Deliverable 6 - May 2, 2021

# SCM Resources

**Application Development Environment:** Android Studio

**Language:** Java & XML

**Personnel:** Travis Tovey (Lead Software Developer) | Raven Goodell (Project Facilitator) | Vincent King (Documents and Diagrams Supervisor) | Chris Vogel  (Product Integrity Supervisor) | Garrett Caruso (Application Tester)

**Product Infrastructure:** Programmed in Java & XML, utilizing Android Studio. Space requirements and equipment for this application will be presented on mobile phone once developed, and will be edited on computer using Android Studio. All documentation, programs and deliverable requirements will be stored and organized in our Github Repository "SegmentationFault / BlackBearCalorieCounter". Zenhub will also be used as a platform to store and organize our projects development. Time constraint for this application is by next deliverable, and by project final due date.

**Links to Github and Zenhub**
**Github**: [Link to our Github Repository](Link to our Github Repository)
**Zenhub**: [Link to our Zenhub Repository](Link to our Zenhub Repository)

# SCM Plan Maintenance

**Who is responsible for monitoring the plan?:** Every member in the group is responsible in their own right for monitoring the progress of our project and plan. During our periodic scrum meetings we will monitor and discuss the progress of our project to ensure we are on track for success given our time constraints.

**Update Information:** Updates to our project are to be made when found to be necessary, and will be evaluated and performed as a group based on our scrum meetings discussions. These changes to the plan will be communicated through slack, and our scrum meetings.

**History of Changes Made To The Plan:**

- **Approximately March 28, 2021** - Slight change to the roles of our personnel, Raven to Project Facilitator, Travis to Lead Developer, Vincent to Documents and Diagrams Supervisor, Chris to Product Integrity Supervisor and Garret to Application Tester.

Currently our plan is on schedule and is consistent with the plan we have maintained since the beginning of our project.