Locomotion Software
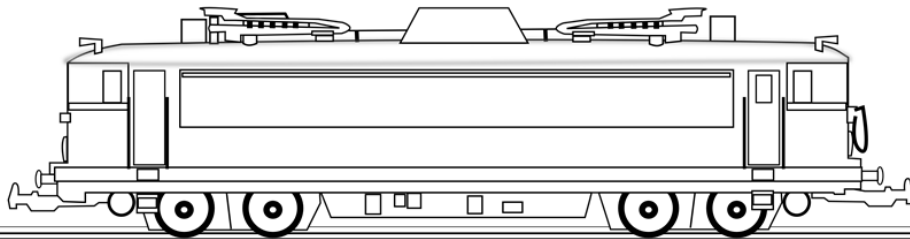
Software Engineering
Software Project Planning Document

Dai, Ben, Kayla, Nick, Joey
Radford University
http://www.radford.edu/~softeng16/
2/6/14

Revisions

Version	Primary Author(s)	Description of Version	Date Completed
First draft -1		First draft	2/20/2014

Review & Approval

Project Planning Document Approval History

Approving Party	Version Approved	Signature	Date
Nicholas Seamans	1	*Nicholas Seamans*	2/20/2014
Dr. T. L. Lewis			

Project Planning Document Review History

Reviewer	Version Reviewed	Signature	Date
Ben Zepp	1	*Ben Zepp*	2/20/2014
Nicholas Seamans	1	*Nicholas Seamans*	2/20/2014
Kayla Evans	1	*Kayla Evans*	2/20/2014
Joey Robbins	1	*Joey Robbins*	2/20/2014
Dai Kim	1	*Dai Kim*	2/20//2014

Locomotion Software
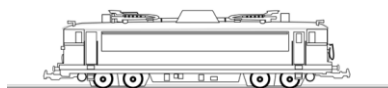
Contents
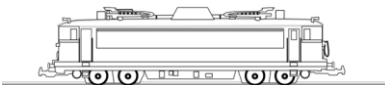
Team Information

Locomotion Software

Fitness Application

Joshua Snow/jpsnow@radford.edu

Project Overview

The purpose of this project is to keep records of daily exercise in a calendar type format. It will be able to record different muscle groups as well as weights being used. This will eliminate the need to bring a notebook and pencil.

Project Scope

To develop an android platform workout calendar and recording.

Only people with android phones would be able to use this application.

This project involves storing information on the local system (the user's phone) involving workout related data such as numbers or words.

The data can be stored for each day on a 12 month calendar system. Only 50 entries are allowed per day slot. The expected audience for this application is gym users or trainers.
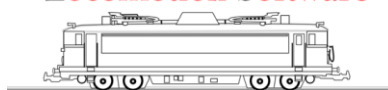
The ability to assign specific tasks to certain days with the ability to change it daily or develop a schedule based on a pattern (I.E legs on Mondays, Wednesdays, or Fridays and arms Tuesdays or Thursdays).

The ability to assign specific tasks to certain days with the ability to change it daily or develop a schedule based on a pattern (I.E legs on Mondays, Wednesdays, or Fridays and arms Tuesdays or Thursdays).

Calculate the amount of time needed per session based on the amount of weight and/or calories needed to be lost.

Implement a simple and user friendly user interface designed for easy editing and quick access to daily updates and information.

Project Success

Project will be successful if it eliminates the need for notebook and pencils to keep track of workouts. The project also needs to be easy to use and look sleek and silver. The app should be able to record different exercises (weights and reps) on any given day for months at a time.

Project Resources

Human Resources
Client
Any person who works out or goes to the gym.
Gym trainers

Non-Human Resources
Computers
Work out apps
Calendar apps
Java, HTML5, CSS

Key Stakeholders

- Gym users
- Gym establishment
- Business client
- Notebook companies
- Gym trainers

Major Risks

Technology Risks- Having to use software that's only on the lab computers. Loss of all the data regarding our project due to hardware failures. Problems transferring software onto Android phones.

People Risks- A team member could become incapable of completing their assignments due to illness. The procrastination of a team member could result in major setbacks. Poor communication between team members or the client could result in project failure.

Requirements Risks – The client changes his requirements after the requirements phase is over. Any requirements that are unrealistic to our abilities or unachievable in the amount of time provided (one semester). Any requirements that are impossible to complete on the platform (Android phones).

Estimation Risks – Underestimating the time for any milestone or project completion. Client underestimating the cost (in sanity) of the project. Overestimating the amount of work a team member can handle.

Minimizing Risks

Technology Risks – We will have multiple backups so that we will not lose our data. We will make sure to complete assignments that require lab software while labs are available. We will meet up in person at least once a week to ensure that everyone is on the same page.

People Risks – We will make sure everyone knows what they are supposed to do and by when they should do it. We will make sure that the client understands us and that we understand him before ending the meeting. We will get work done on time and any work overflow due to illness will be divided evenly among remaining group members.

Requirements Risks - We can check in frequently with our client to make sure he approves of what we are doing. We will make sure to not take on a requirement that we cannot handle, but if the situation arises we will seek guidance from the professor and work to the best of our abilities to fulfill the requirement. If a requirement conflicts with the Android hardware or software this will hopefully be discovered during the requirements phase. If the problems are discovered further into the software process, then we will work around it to the best of our abilities and inform the client as soon as the problem is discovered.

Estimation Risks – We will be aware of our abilities and get help when needed in order to finish assignments on time. We will have check-ins with the client to keep him updated on our progress and the cost (in sanity) currently. This will eliminate any "surprises" during the presentation phase. We will work together and split the work up evenly based on skill set and if any group member is overwhelmed he or she will speak up and another group member will help.

Locomotion Software

Project Deliverables/Milestones

Milestone/Deliverable	Project Manager Asst. Project Manager (Select a PM and an Asst. PM for each phase)	Scheduled Start	Scheduled Finish
Project Planning	Nicholas PM / Joey AM	2/4/14	2/20/14
Requirements	Nicholas PM / Joey AM	2/20/14	3/27/14
Design	Dai PM/ Nicholas AM	3/27/14	4/10/14
Development	Joey PM/ Ben AM	4/10/14	4/24/14
Presentation	Kayla PM/ Dai AM	4/24/14	4/29/14
Web Design/ Updates	Ben PM/ Kayla AM	2/4/14	4/10/14

Management Objectives and Priorities

Negative reports from other group members on the final review.

Other members will pick up the slack and the slacker will receive negative reports at the end of the semester and be brought up to the professor. If the member continues to be unresponsive, then action will be taken against them involving the professor.

Whoever is the project manager for that specific part of the project will be lead contact.

Our meeting times will be every week on Wednesday at 5 P.M.
We try to contact the client once a week via in person meeting or email.
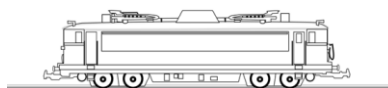
Definitions, Acronyms, and Abbreviations

App – Application

RU – Radford University

Preliminary Schedule

SEE INCLUDED EXCEL DOCUMENT

Locomotion Software

Preliminary Budget

The Sanity of our group members is the budget

References

https://play.google.com/store/apps/details?id=com.lifetimefitness.ltfmobile&hl=en
Android Calendar
www.myfitnesspal.com