R&B Schedule Planner
Vision

Version 1.0.0

ReVision document History

Date	Version	Description	Author
<11/9/2018>	<1.0.0>	<Started vision document>	<Ryan Hennes, Brett Tomita>

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Vision

1. Introduction

1.1 Purpose

This document will outline the the requirements and overall needs of the schedule planner. To know why people will use this schedule planner there will be a use case section outlining this.

1.2 Scope

This vision document applies to the schedule planner application that will be created in the 343 class. This application will give the user a way to conveniently enter in schedule plans with a focus on ease of use, readability and flexibility.

1.3 Definitions, Acronyms and Abbreviations

Java - The high level language that we will be using to program the product.

Windows - The operating system that the program will be able to run on.

1.4 References

N/A

1.5 Overview

Looking ahead in this vision document, We are going to be talking about the positioning in terms of product and business. Additionally we will talk about specifics with the product, and stakeholders.

2. Positioning

2.1 Business Opportunity

There is the opportunity of showing off our program and being evaluated based on our program.

2.2 Problem Statement

The problem of	We want a way for people to be able to plan meetings w/ each other while working around other commitments
affects	Anyone who wants to use a scheduling planner
the impact of which is	The ability to make plans with others
a successful solution would be	An easy way to develop and coordinate a schedule that meets multiple people's needs

2.3 Product Position Statement

For	People with busy schedules who are looking for a convenient way to manage all of their obligations
Who	need a solution for future organization
The schedule planner	is a software application.
That	provides an emphasis on simplicity and usability
Unlike	the default schedule planners that come on windows or mac
Our product	provides users with an easier way of planning their schedule for

	the future using our quick and easy software.

3. Stakeholder and User Descriptions

3.1 Market Demographics

In general, everyone could use some help with planning their schedule. Not only are there countless planner applications for windows already available but some are even paid for. This application will shine above the others due to the simplicity and ease of use unlike outlook or other planner applications. This application could be used by anyone with a windows computer thus there is a large market for the application. Similarly to apple we want to focus on sleek design and ease of use to allow the application to reach as many hands as possible.

3.2 Stakeholder Summary

Software Engineers	The people who develop and maintain the product	Responsible for overall functionality and usability of the software
Requirements Engineers	Works with both stakeholders and customers to turn needs into requirements	Responsible for establishing the domain and requirements of the project, as well as updating them as needed

3.3 User Summary

Casual User	Any person who uses our software for personal/daily use	Represented by Requirements Engineers
Business	Any company that uses our software for office/administrative organization	Represented by Requirements Engineers

3.4 User Environment

Our schedule planner app will be used by a variety of different types of people, each with their own agendas that may have to be compared and integrated with other user agendas. This app can be used by just an individual user, or can be used by a group of users wishing to sync their agendas. The app should be able to accomodate a group of users working in different time zones. As far as constraints for the app, there is only the requirement of a windows computer. In addition, there is no need to have a powerful pc to be able to run the app. THe application will be a stand alone app therefore it will have no relation to any other programs.

3.5 Stakeholder Profiles

3.5.1 <Casual User>

Representative	
	Requirements Engineer
Description	Individuals or groups of individuals who use our service for personal affairs
Type	Various expertise and background. Everyone from the average person to experts in any field
Responsibilities	Desire for a single interface to manage all plans a person may have, as well as the ability to coordinate them with others
Success Criteria	User satisfaction with the app
	Continued use of the app
Involvement	Beta testing / bug bounties / feedback
Deliverables	N/A
Comments / Issues	N/A

3.5.2 <Business>

Representative	Business Owner/Manager
Description	Any organization that uses our service for work purposes
Type	Expertise and background in business
Responsibilities	Communicating their needs as clients
Success Criteria	Satisfaction with system
	Continued use of service
Involvement	Beta testing / bug bounties / feedback, requirements reviewer
Deliverables	N/A
Comments / Issues	N/A

3.6 User Profiles

3.6.1 <Casual User>

Representative	Requirements Engineer
Description	Individuals or groups of individuals who use our service for personal affairs
Type	Various expertise and background. Everyone from the average person to experts in any field
Responsibilities	Desire for a single interface to manage all plans a person may have, as well as the ability to coordinate them with others
Success Criteria	User satisfaction with the app

	- Continued use of the app
Involvement	Beta testing / bug bounties / feedback
Deliverables	N/A
Comments / Issues	N/A

3.7 Key Stakeholder / User Needs

The reason this application is being created is because people's lives are getting busier thus they may need additional outside help to manage their life. With our application the busy person would be able to utilize our tool to allow them to manage their time properly.

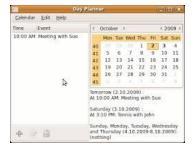| Need	Priority	Concerns	Current Solution	Proposed Solutions
User friendly	Moderate	Anyone should be able to use the app	Multiple easy to use apps	One easy to use app
Reliability	High	App must accurately and consistently keep track of dates, deadlines, appointments		

3.8 Alternatives and Competition

3.8.1 <Google Calendar>

3.8.2 <Outlook>

4. Product Overview

4.1 Product Perspective

Although we don't have a mock up of the program, we expect it to look something like this:

We expect there to be a calendar feature in addition the user will be able to select days within the calendar where they can create entries to plan what events they have coming up in the future.

4.2 Summary of Capabilities

Customer Support System

Customer Benefit	Supporting Features
New support staff can quickly get up to speed.	Knowledge base assists support personnel in quickly identifying known fixes and workarounds
Customer satisfaction is improved because nothing falls through the cracks.	Problems are uniquely itemized, classified and tracked throughout the resolution process. Automatic notification occurs for any aging issues.
Management can identify problem areas and gauge staff workload.	Trend and distribution reports allow high level review of problem status.
Distributed support teams can work together to solve problems.	Replication server allows current database information to be shared across the enterprise
Customers can help themselves, lowering support costs and improving response time.	Knowledge base can be made available over the Internet. Includes hypertext search capabilities and graphical query engine

4.3 Assumptions and Dependencies

1: It is assumed that the user is able to read and write english therefore able to use the application.

2: It is assumed that the user will have basic knowledge of using a computer and its I/O devices such as a keyboard or a mouse.

3: It is assumed that the user is able to see as there will be no vision impaired assistive technology with the app.

4: It is assumed that the user will be running the program on a windows machine.

4.4 Cost and Pricing

As of now we expect there to be little to no cost or pricing issues.

4.5 Licensing and Installation

We expect the program to run as a java executable program, therefore there is no need for a special installer. There will also be no user account associated with the program.

5. Product Features

5.1 System Features:

<Syncing schedules across multiple devices>

5.2 Communication Features:

<Find times when everyone in a group are free to meet up>

5.3 Emergency Features
<Collaborative schedules>

6. Constraints

1: A windows machine

2: Some for of input device, ie. (Mouse and keyboard)

3: working version of java on the pc

7. Quality Ranges

We expect the program to run fluidly as would be expected from a great user experience. As mentioned before we want to focus on ease of use and simplicity with sleek menu design all wrapped up into a fast and reliable application.

8. Precedence and Priority

The top priority of the program is to make a working calendar display to easily show the user what is going to be coming up in the near future for them. We then want to make sure there is added functionality to allow the user to add things into the planner. Lastly we would like to be able to integrate some sort of notification allowing the user to be notified prior to their scheduled plan.

9. Other Product Requirements

Some requirements would include the use of a windows computer as well as having an updated version of java. There will be very little performance requirements as well as there will be no installer making the program very portable to any windows machine. The program will be very lightweight thus it will not take up very much space on the system.

9.1 Applicable Standards

We will follow Windows platform compliance standards and ISO standards.

9.2 System Requirements

Windows PC
Java Runtime Environment (JRE)

9.3 Performance Requirements

A network connection may be required for some features.

9.4 Environmental Requirements

Software should work under most typical environments. Maintenance and errors should not render the software inoperable

10. Documentation Requirements

10.1 User Manual

We expect a user manual for our project to be minimal, given that the UI should be intuitive

10.2 On-line Help

We can set up a website that addresses frequently asked questions, allows users to report bugs or ask for help, and has a blog for updates and announcements.

10.3 Installation Guides, Configuration, Read Me File

We will provide a standard Read Me file, as well as a detailed JavaDoc. Installation will likely consist of downloading and launching an executable file.

10.4   Labeling and Packaging

GUI will be made using JavaFX

11.   Appendix 1 - Feature Attributes

11.1   Status

Proposed	Syncing schedules across devices
Approved	Creating/editing appointments Finding multiple people's availabilities
Incorporated	We expect all features to be present on release.

11.2   Benefit

Critical	Creating/editing appointments Finding multiple people's availabilities
Important	Syncing schedules across devices
Useful	Timezone independent

11.3   Effort

We expect this project to take several months to complete, with an estimated completion date of December 12, 2018. It is important to us that the project is completed by this date, so all effort will be taken into ensuring this is done.

11.4   Risk

A high risk for us would be running into any types of schedule delays that would prevent us from producing a working version of our project by the deadline. Cost overruns and cancellation are low risks, as they are extremely unlikely to occur in this project.

11.5   Stability

This is expected to be a fairly stable project, with ideally minimal unexpected feature changes.

11.6   Target Release

It is expected that there will be a due date for the assignment, thus that will be the release window. We expect that the "customer" will want a full featured program thus on release there should be all features present. The program will release as a 1.0.0 release.

11.7   Assigned To

Given this project only has two developers, each feature will be assigned to either of the 2 developers, Ryan or Brett

Ryan: Front end development on UI and user experience

Brett: Back end development on data management and feature design

11.8   Reason

We have yet to receive a specific features requirements list, however we expect that it will include some way to plan schedule in the future as well as have user integrated features allowing for notifications and or calendar features.