

# **Engineering Change Request (ECR)**

**Version 1.0**

**December 12<sup>th</sup>, 2017**

## **Student Calendar Integration Application**

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**BYU-Idaho CS364 Software Engineering**

# Authors

## Project Manager

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Michael Carey

## Team Leads

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Landon Shumway

Robert Nelson

Adam Shumway

Daniel Craig

# Revision History

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Name	Date	Reason for Changes
Initial	12/9/2017	First Draft
2 <sup>nd</sup> Draft	12/12/2017	Adding content that was not included yet for features.

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# 1.0 Introduction

## 1.1 Purpose

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This document represents those items that will be implemented based on the SRS document as represented in the SDD.

The purpose of this Software Design Document is to define the design elements of the Student Calendar Integration Application. The document provides sufficient detail to implement the software product to stakeholder specifications.

# 2.0 Project Scope

## 2.1 Version 1

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In version 1 of this project represents the items that will be implemented based on the SDD.

The purpose of this Software Design Document is to define the design elements of the Student Calendar Integration Application. The document provides sufficient detail to implement the software product to stakeholder specifications.

### 2.1.1

The following list from the SRS will be defined in the SDD and intended to be developed and delivered for version 1 of the product.

- 3.2.2 Calendar Application is Web
- 3.2.6 Export/Import
- 3.2.20 Notification Control
- 3.2.22 Push Notifications
- 3.2.26 Holidays
- 3.2.32 Non-SSO
- 3.2.24 Simplified To-Do Assignment Display
- 3.2.28 Apple Maps Integration
- 3.2.29 Other Maps Integration
- 3.2.47 Google API
- 3.2.48 Apple API
- 3.2.49 Outlook API
- 3.2.57 User Profile Settings

## 2.2 Backlog

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In this section represents the backlog of item to be accomplished in a later version.

The purpose of this Software Design Document is to define the design elements of the Student Calendar Integration Application. The document provides sufficient detail to implement the software product to stakeholder specifications.

### 2.2.1

- 3.2.1 Calendar Application is Mobile

- 3.2.3 Calendar Application API
- 3.2.4 Priority List
- 3.2.5 ADA Compliant
- 3.2.7 Reminders
- 3.2.8 Links
- 3.2.9 Photo Upload
- 3.2.10 Collapsible Calendar
- 3.2.11 Message Chat
- 3.2.12 Video Chat
- 3.2.13 FERPA Compliant
- 3.2.14 Discussion Board Integration
- 3.2.15 Time Zone Conversion
- 3.2.16 Recurring Appointments
- 3.2.17 Grades
- 3.2.18 Widget
- 3.2.19 Active Directory/LDAP
- 3.2.21 Shared Calendar
- 3.2.23 Invitations
- 3.2.25 Continuous Calendar
- 3.2.27 Location
- 3.2.30 Video Tutorial
- 3.2.31 Group Permissions
- 3.2.33 Sort & Filter
- 3.2.34 Personal Assistant
- 3.2.35 Feedback
- 3.2.36 Database for Account Usernames and Passwords
- 3.2.37 Inspirational Quotes and Images
- 3.2.38 Night Mode
- 3.2.39 Share Calendar Feature
- 3.2.40 Weather
- 3.2.41 Tutor Integration
- 3.2.42 Class Help
- 3.2.43 Printing
- 3.2.44 Badges
- 3.2.45 Quick Access
- 3.2.46 Assignment Alarm
- 3.2.50 Toolbox Bar
- 3.2.51 Custom Images and Icons
- 3.2.52 Custom Videos
- 3.2.53 Calendar View
- 3.2.54 Task Rewards

- 3.2.55 User Task List
- 3.2.56 School Catalog