Release Plan

Product name: CruzCal
Team Name: CruzCal Developers
Team Members: Tanmay Mittal , Kitana Toft , Mario Reyes , Pablo Gaeta , Andrew Lim
Release Name: 1.0
Release Date: Tuesday, May 31, 2022
Revision Number: 0.2
Revision Date: Tuesday, May 31, 2022

High Level Goals (priority order)

1. Be able to generate calendar events based on UCSC courses during a quarter
2. Different options to store calendar: .ical/.ics file, import to other applications, save in web app
3. Calendar preview while adding courses to create a course calendar
4. Continuous Integration - Working version and testing during development
5. Automatically create and import calendar events to Google Calendar using OAuth
6. Smart search for courses (e.g. course number, name, or department w/ suggestions)
7. Unit and end-to-end testing before implementation
8. Save calendar and past calendars
9. Groups where students can merge their calendars to check availabilities

User Stories for Release

1. Sprint 1 (4/06/22 - 4/19/22) - *Bare Bones*
   a. Team goal: Establish a bare bones skeleton for web application. Ability to perform <u>simple course queries</u>.
   b. User Stories:
      i. As a student, I want to search for available courses during the term I'm interested in.
      ii. As a student, I want to see course information for classes that I enter.
2. Sprint 2 (4/20/22 - 5/03/22) - *Initial Product*
   a. Team goal: Ability to <u>lookup and add/remove classes</u> to CruzCal. The web application is more interactive. Get <u>schedule information</u> for selected classes.
   b. User stories
      i. As a student, I want to dynamically add and remove courses from my schedule.
      ii. As a student, I want to generate a calendar resource scheduling all of my courses so I don't have to manually create them every quarter.
3. Sprint 3 (5/04/22 - 5/17/22) - *Beta*
   a. Team goal: Ability to see a <u>schedule preview</u> and <u>export multiple schedules as</u> JSON, .ics and/or as Google Calendar, and get help with <u>class conflicts</u>.
   b. User Stories:

      i.   As a student, I want to see a calendar preview so I can visualize my schedule as I add courses to CruzCal.

      ii.   As a student, I want to have multiple options for download formats depending on my preference.

      iii.   As a student, I want to be able to see if any of my selected courses have time conflicts.

      iv.   As a student, I want to be able to save multiple calendars for current and future quarters.

4. Sprint 4 (5/18/22 - 5/31/22) - *Perfecting for Release / Stretch Goals*

    a.   Team Goal: Complete the current backlog, add and/or update unit tests, prepare for final presentation, and optionally attempt our stretch goal once project release is ready for launch.

    b.   Stretch Goal: Notify users of <u>asynchronous</u> classes, search <u>suggestions</u>, <u>export/import</u> calendars from other users within the web app, <u>save history</u> of schedule changes

    c.   User Stories:

      i.   As a user, I want guidance on how to use the site

      ii.   As a student, I want to be informed when a class I've selected doesn't have scheduled meeting times, since this means they won't appear on my calendar

      iii.   As a student, I want to be provided with suggestions to speed up my course searches

      iv.   As a student, I want to be able to share and view my friends' schedules easily

      v.   As a user, I want to be able to undo/redo my course selection changes in case I make a mistake

Product Backlog

User Stories:

1. As a user, I want to search for a class using a search bar that automatically queries classes based on subject, class name, or both
2. As a user, I want to store and retrieve multiple schedules within CruzCal
3. As a user, I want to be able to create schedule groups with my friends to find common availabilities
4. As a user, I want to see the mandatory/optional section times for a class

Project Presentation

- Goal: Have a final presentation ready by Tuesday, May 31, 2022 and uploaded to the final presentation folder. This includes all finished documentation: System and Unit Test Report, Working Prototype Known Problems Report, and Final Presentation with recorded demos.