Release Summary: *Plannertarium*

Plannertarium, Scrumbags, 12/5/2023

User stories

(Priority) User story {Sprint#}.{name} [Story points]
*Stories before Sprint 3 did not have acceptance criteria yet because Professor mentioned in class to start using them after we learned about them

Sprint 1: (As a student I want to be able to…)
- (Must do) User story 1.database [13]
  - see my inputted information when I reopen the app so that I do not need to keep it open
- (Must do) User story 1.makeTask [5]
  - create tasks so that I can see what my tasks are
- (Must do) User story 1.doTask [3]
  - change properties of a task so that I can mark them as completed, move to another date, etc
- (Should do) User story 1.makeEvent [5]
  - create events so that I can see what my events are
- (Should do) User story 1.doEvent [5]
  - change properties of an event so that I can give them details about location/time/etc
- (Must do) User story 1.window [2]
  - switch between time windows so that I can plan for the short, medium and long term as needed
- (Could do) User story 1.progress [2]
  - view of the current event so I can quickly see and take note of what is happening

Sprint 2: (As a student I want to be able to…)
- (Must do) User story 2.database [5]
  - see my inputted information when I reopen the app so that I do not need to keep it open
- (Must do) User story2.makeTask [2]
  - create tasks so that I can add new tasks
- (Must do) User story 2.seeTask [5]
  - see tasks so that I can know what my tasks are
- (Must do) User story 2.changeTask [1]
  - change properties of a task so that I can mark them as completed, move to another date, etc
- (Must do) User story 2.editTask [2]
  - see properties of a task so that I can change them as necessary
- (Must do) User story 2.seeEvent [2]
  - see events so that I can know what my events are
- (Must do) User story 2.makeEvent [3]

- ○ create events so that I can add new events
- (Must do) User story 2.edit Event [3]
  - ○ See properties of an event so that I can see details about location/time/etc and change as necessary
- (Must do) User story 2.changeEvent [2]
  - ○ change properties of an event so that I can give them details about location/time/etc
- (Must do) User story 2.window [5]
  - ○ switch between time windows so that I can plan for the short, medium and long term as needed

Sprint 3:
- (Must do) See my inputted information when I reopen the app so that I do not need to keep it open [13]
  - ○ *Acceptance Criteria*
    - ■ Ensure the user can log in and their data gets successfully saved
    - ■ Once the user closes the app and reopens it, they can see all the data they had before in the app
- (Must do) Manage my tasks in various time frames so I can get the amount of detail I need to plan my schedule [5] - 3hr
  - ○ *Acceptance Criteria*
    - ■ Be able to see names of tasks in all views and be able to add tasks
    - ■ In any view, be able to select a task to expand it into a larger view
    - ■ be able to see more information about it in this view
    - ■ be able to edit the information in this view
- (Must do) Move my tasks around the timeline so I can assign them to other days [5]
  - ○ *Acceptance Criteria*
    - ■ Successfully use gestures to modify/move a task
    - ■ Be able to see the task is on a new day when the gesture is done
    - ■ be able to see the task is completed when the gesture is done
- (Must do) Manage my events in various time frames so I can get the amount of detail I need to plan my schedule [8]
  - ○ *Acceptance Criteria*
    - ■ Be able to see events in all views
    - ■ Be able to add an event to the planner in all views by bringing up a larger view
- (Must do) Edit an event so I can keep the planner up to date with changes to my schedule [3]
  - ○ *Acceptance Criteria*
    - ■ In the larger view of an event, be able to see and edit all fields of the event
    - ■ Open an event and make sure all the detail is visible
    - ■ Changes are reflected in the database

- (Must do) Look at different time windows so that I can plan for the short, medium and long term as needed [8]
  - *Acceptance Criteria*
    - Able to move from daily view to monthly view with UI and gestures
    - All screens display the correct corresponding tasks/events for each time window
- (Should do) As a student I want to see homework deadlines easily so I do not miss deadlines [5]
  - *Acceptance criteria*
    - At the top of the daily view of tasks, be able to see a small list of tasks that are due on that day
    - At the top of each day in the weekly view of tasks, be able to see a small list of tasks that are due on that day
    - On each day in the monthly view of tasks, be able to see a small list of tasks that are due on that day

Sprint 4:
- (Must do) Manage my events in various time frames so I can get the amount of detail I need to plan my schedule [8]
  - *Acceptance Criteria*
    - Be able to see events in all views
    - Daily event view shows events in continuous time blocks
    - Be able to add an event to the planner in all views by bringing up a larger view
- (Should do) User story 4.cool [8]
  - Feel cool while navigating and using the app so that I do not get frustrated or bored while trying to plan
  - *Acceptance criteria*
    - The various pages look pretty to the Product Owner
    - The transitions between pages are approved by the Product Owner
    - The overall interface is consistent across pages
    - Have a good date picker for creating task/event
- (Should do) User story 4.lookback [3]
  - Check my planner in the distant past and future so I can review my productivity and plan for future events
  - *Acceptance criteria*
    - Can navigate to an exact week
    - Can go backwards/forwards by one week from the weekly view
    - Can navigate to an exact month
    - Can go backwards/forwards by one month from the monthly view
- (Should do) User story 4.recurrence [3]
  - Mark some events as recurring so that I do not have to put repeating classes or meetings each time they happen

- ○ *Acceptance criteria*
    - ■ Can set an event as recurring when creating or editing them
    - ■ Can see the recurring events on the weekly and monthly event view
- ● (Should do) User story 4.sortfilter [3]
    - ○ Search my tasks so that I can lookup my old items and use it to help me filter out the things I don't need
    - ○ *Acceptance criteria*
        - ■ Be able to search for tasks based on name, description, location, or tag
        - ■ Be able to search with matching values or values in a range depending on the attribute
- ● (Should do) User story 4.tags [13]
    - ○ Organize my tasks and events into categories so that I can keep my classes separate
    - ○ *Acceptance criteria*
        - ■ Can assign tags to any task or event
        - ■ Tags are displayed with each task they are associated with
        - ■ Able to sort tasks and day or week by tag
        - ■ Able to search for tasks and events by tag

Known Problems

1. Delaying a task does not update the color of the task card on latest day (daily task view)
2. Sometimes, when trying to add or edit a tag on an event or tasks, the tag menu does not appear
3. Colors on updating a task are not guaranteed and refreshing it would possibly update it back
4. Firestore might exceed the free plans limit, therefore cutting off functionality of the app with excessive use
5. The app is not smooth in general due to imperfect setStates calling
6. Recurring events are slow to load and bug might occurs, such as printing the same events few times.
7. Text can clip out of the event borders if event name is too long, or if too many events that overlap time period (edge cases are not enforced)
8. Editing an event in eventDailyView doesn't visually update the view right away, it has to be refreshed by switching to another view and back
9. The hitbox for clicking/tapping on an event in the eventDailyView to open the details menu is small and only covers the event name text

Product backlog

These user stories will not make it into the release. Higher priority stories are at the bottom.

As a student I want:	so that:	Priority Level	Story Points
See available clubs	I can see what clubs I want to attend	Unlikely	19
MyUCSC integration for getting schedules	I can automatically see the schedule without typing it out myself	Unlikely	21
Use the planner from multiple devices at once	I can use the application on one while I am temporarily away from the other.	Unlikely	13
A standalone desktop app	I can work locally and separate from my browser	Unlikely	8
Customize the behavior and appearance of the app	so I can assess my options better ● Acceptance criteria ○ Be able to select custom colors for the app's background	Could do	13

see my grades for a class	so that I can prioritize my classes accordingly
	● Acceptance criteria
	   ○ A new user interface screen with a list of classes and grades for each class
	      ■ shows recent assignments and their respective grades
	   ○ Automatically synchronizes with changes in Canvas
		Could do	5

see information for assignments that are assigned to me on Canvas	so that I can automatically get them as tasks and deadlines ● *Acceptance criteria* ○ For all assignments in a class on Canvas, be able to see a Task with the correct name, link in description,	Could do	20

	deadline, and tag in the app corresponding to it. ○ Automatically synchronizes with changes in Canvas		
See the progress of the current event	so I can quickly evaluate how much is left before an event is over ● *Acceptance criteria* ○ If the current time falls into the timeframe of an event, display a progress bar for the event on all screens in the app	Could do	

set some events as urgent or time sensitive	so that I don't miss particularly important things
	Acceptance criteria
	● An event can be marked as urgent
	    ○ an urgent event will stand out visually from nonurgent events
	● A task can be marked as urgent
	    ○ The task will stand out visually from nonurgent events
	    ○ If due dates are implemented, its due date entry will stand out visually from nonurgent events
		Could do	

Change the details of my tasks and events quickly	so I can spend less time planning and more time doing work
	● *Acceptance criteria*
	    ○ Can drag and drop tasks to different days of the week and month
	    ○ Can drag and drop events to different times of the day
	    ○ Can drag and drop events to different days of the week and month
		Could do	