Test Plan for Plannr

Functional Requirements

1. As a user, I would like to make an account.
2. As a user, I would like to log in or sign out of my account.
3. As a user, I would like to create a class.
4. As a user, I would like to add an assignment to the calendar.
5. As a user, I would like to I would like to add a recurring assignment.
6. As a user, I would like to create a multi part assignment/project.
7. As a user, I would like to view a calendar of my academic engagements.
8. As a user, I would like to set a priority to an assignment.
9. As a user, I would like to set a completion status on my homework assignments.
10. As a user, I would like to view a feed view of my homework.
11. As a user, I would like to add exams to my schedule and associate them with a class.
12. As a user, I would like to I would like to remove a course.
13. As a user, I would like to remove an assignment, exam, or activity.
14. As a user, I would like to receive notifications for upcoming assignments based on my preferences.
15. As a user, I would like to be notified after my class ends to input homework for that class.
16. As a user, I would like to be able to set default preferences for when I am notified by Plannr.
17. As a user, I would like to create an activity which may be related to a class.
18. As a user, I would like to invite other users to an activity.
19. As a user, I would like to accept or reject an invitation to join an event.

Test Cases

An example of how the identification numbers work: "1-1" means that the test case if for function requirement 1 (listed above) and it is the first test case for that functional requirement.

Identification	Severity	Instructions	Expected Result
1-1, Create account with valid inputs	1	Clicks on 'Want to create an account?' and inputs email, display name, and password twice	Sign up page is dismissed and login page appears
1-2, Create account with invalid email ending	1	Clicks on 'Want to create an account?' and inputs non ".edu" email address	An error should be displayed on the sign up page with relevant information about what needs to be fixed

1-3, Create account with invalid email address (character length < 7)	1	Clicks on 'Want to create an account?' and inputs email address with 4 characters ("@.edu")	An error should be displayed on the sign up page with relevant information about what needs to be fixed
1-4, Create account with invalid email address (character length > 50)	1	Clicks on 'Want to create an account?' and inputs email address with 51 characters that would otherwise be valid	An error should be displayed on the sign up page with relevant information about what needs to be fixed
1-5, Create account with empty name	1	Clicks on 'Want to create an account?' and inputs empty name	An error should be displayed on the sign up page with relevant information about what needs to be fixed
1-6, Create account with invalid name (character length > 50)	1	Clicks on 'Want to create an account?' and inputs name with 51 chars	An error should be displayed on the sign up page with relevant information about what needs to be fixed
1-7, Create account with invalid display name (invalid characters used)	1	Clicks on 'Want to create an account?' and inputs name with invalid characters ("sean!")	An error should be displayed on the sign up page with relevant information about what needs to be fixed
1-8, Create account with invalid password (character length < 8)	1	Clicks on 'Want to create an account?' and inputs invalid password (7 characters)	An error should be displayed on the sign up page with relevant information about what needs to be fixed
1-9, Create account with invalid password (character length > 50)	1	Clicks on 'Want to create an account?' and inputs invalid password (51 characters)	An error should be displayed on the sign up page with relevant information about what needs to be fixed
1-10, Create account with invalid password (no lowercase letter)	1	Clicks on 'Want to create an account?' and inputs password with no lowercase letters	An error should be displayed on the sign up page with relevant information about what

			needs to be fixed
1-11, Create account with invalid password (no uppercase letter)	1	Clicks on 'Want to create an account?' and inputs password with no uppercase letters	An error should be displayed on the sign up page with relevant information about what needs to be fixed
1-12 Create account with invalid password (no number)	1	Clicks on 'Want to create an account?' and inputs password with no number	An error should be displayed on the sign up page with relevant information about what needs to be fixed
1-13, Create account with different verify password	1	Clicks on 'Want to create an account?' and inputs different values in password and verify password fields	An error should be displayed on the sign up page with relevant information about what needs to be fixed
2-1, Log in with valid account	1	Input valid username and password into login form	Login page is dismissed and main page appears
2-2, Log in with invalid account credentials	1	Input invalid username and password into login form	An error should be displayed on the login page with relevant information about what needs to be fixed
2-3, Log in with no information	1	Input nothing into username and password	An error should be displayed on the login page with relevant information about what needs to be fixed
2-4, Log out of account	1	Click on the 'logout' button	On success, app should route to login page. On error, an error message should be displayed.
3-1, Create a class with valid information	1	Click on the 'plus' button and input valid course number, name, and time	Create course page is dismissed and profile page is displayed with new course
3-2, Create a class	1	Click on the 'plus' button and	An error should be

with invalid class number (< 3 numbers)		input 2 numbers in 'course number field'	displayed on the create course page with relevant information about what needs to be fixed
3-3, Create a class with invalid number (> 5 numbers)	1	Click on the 'plus' button and input 6 numbers in 'course number field'	An error should be displayed on the create course page with relevant information about what needs to be fixed
3-4, Create a class with no number	1	Click on the 'plus' button and input no number	An error should be displayed on the create course page with relevant information about what needs to be fixed
3-5, Create a class with invalid department id (< 2 characters)	1	Click on the 'plus' button and input department id with 1 character	An error should be displayed on the create course page with relevant information about what needs to be fixed
3-6, Create a class with invalid department id (> 4 characters)	1	Click on the 'plus' button and input department id with 5 characters	An error should be displayed on the create course page with relevant information about what needs to be fixed
3-7, Create a class with no department id	1	Click on the 'plus' button and input no department id	An error should be displayed on the create course page with relevant information about what needs to be fixed
3-8, Create a class with no name	1	Click on the 'plus' button and input no course name	An error should be displayed on the create course page with relevant information

			about what needs to be fixed
3-9, Create a class with invalid name (> 50 characters)	1	Click on the 'plus' button and input course name 51 characters long	An error should be displayed on the create course page with relevant information about what needs to be fixed
3-10, Create a class with invalid time	1	Click on the 'plus' button and input start time later then end time	An error should be displayed on the create course page with relevant information about what needs to be fixed
3-11, Create a class with no time	1	Click on the 'plus' button and input no start or end time	An error should be displayed on the create course page with relevant information about what needs to be fixed
3-12, Create a class with invalid note length (> 500 characters long)	1	Click on the 'plus' button and input note 501 characters long	An error should be displayed on the create course page with relevant information about what needs to be fixed
4-1, Create an assignment with valid information	1	Click on the 'plus' button in calendar page and input valid date, time, name, and note (optional)	Create assignment page is dismissed and calendar is displayed with new assignment
4-2, Create an assignment with 0 alphanumeric characters for the name	1	Click on the 'plus' button in calendar page and input 0 alphanumeric characters for the name	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
4-3, Create an assignment with 51 alphanumeric	1	Click on the 'plus' button in calendar page and input 51 alphanumeric characters for the	An error should be displayed on the create assignment page with

characters for the name		name	relevant information about what needs to be fixed
4-4, create an assignment with 1 alphanumeric character for the name	1	Click on the 'plus' button in calendar page and input 1 alphanumeric character for the name	Create assignment page is dismissed and calendar is displayed with new assignment
4-5, Create an assignment with 50 alphanumeric characters for the name	1	Click on the 'plus' button in calendar page and input 50 alphanumeric characters for the name	Create assignment page is dismissed and calendar is displayed with new assignment
4-6, Create an assignment with 501 characters in a note	1	Click on the 'plus' button in calendar page and input note with 501 characters	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
4-7, Create an assignment with empty note	1	Click on the 'plus' button in calendar page and input empty note	Create assignment page is dismissed and calendar is displayed with new assignment
4-8, Create an assignment with 500 characters in a note	1	Click on the 'plus' button in calendar page and input note with 500 characters	Create assignment page is dismissed and calendar is displayed with new assignment
4-9, Create an assignment with a due date and time that is the current date and time	1	Click on the 'plus' button in calendar page and input current date and time	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
4-10, Create an assignment with a due date and time that happened in the past	1	Click on the 'plus' button in calendar page and input past date and time	An error should be displayed on the create assignment page with relevant information about what needs to be fixed

4-11, Create an assignment that correlates to a class that the user is not enrolled in	1	Click on the 'plus' button in calendar page and select a class that the user is not enrolled in	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
4-12, Create an assignment with no information	1	Click on the 'plus' button in calendar page and input no information	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
5-1, Create a recurring assignment with valid information	1	Click on the 'plus' button in calendar page and input valid date, time, and name with type 'recurring'	Create assignment page is dismissed and calendar is displayed with new recurring assignment
5-2, Create a recurring assignment with no name	1	Click on the 'plus' button in calendar page and input no name with type 'recurring'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
5-3, Create a recurring assignment with 51 alphanumeric characters for the name	1	Click on the 'plus' button in calendar page and input name with 51 characters with type 'recurring'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
5-4, create a recurring assignment with 1 alphanumeric character for the name	1	Click on the 'plus' button in calendar page and input input name with 1 character with type 'recurring'	Create assignment page is dismissed and calendar is displayed with new recurring assignment
5-5, Create a recurring assignment with 50 alphanumeric characters for the name	1	Click on the 'plus' button in calendar page and input input name with 50 characters with type 'recurring'	Create assignment page is dismissed and calendar is displayed with new recurring assignment

5-6, Create a recurring assignment with 501 characters in a note	1	Click on the 'plus' button in calendar page and input note with 501 characters with type 'recurring'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
5-7, Create an assignment with 0 characters in a note	1	Click on the 'plus' button in calendar page and input note with 0 characters with type 'recurring'	Create assignment page is dismissed and calendar is displayed with new recurring assignment
5-8, Create a recurring assignment with 500 characters in a note	1	Click on the 'plus' button in calendar page and input note with 500 characters with type 'recurring'	Create assignment page is dismissed and calendar is displayed with new recurring assignment
5-9, Create a recurring assignment with a due date and time that is the current date and time	1	Click on the 'plus' button in calendar page and input current date and time for due date with type 'recurring'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
5-10, Create a recurring assignment with a due date and time that happened in the past	1	Click on the 'plus' button in calendar page and input past date and time for due date with type 'recurring'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
5-11, Create a recurring assignment that correlates to a class that the user is not enrolled in	1	Click on the 'plus' button in calendar page and input class the user is not enrolled in with type 'recurring'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
5-12, Create a recurring assignment with 0 as the amount of weeks	1	Click on the 'plus' button in calendar page and input 0 weeks with type 'recurring'	An error should be displayed on the create assignment page with relevant information about what needs to be

			fixed
5-13, Create a recurring assignment with 1 as the amount of weeks	1	Click on the 'plus' button in calendar page and input 1 week with type 'recurring'	Create assignment page is dismissed and calendar is displayed with new recurring assignment
5-14, Create a recurring assignment with 365 as the amount of weeks	1	Click on the 'plus' button in calendar page and input 365 weeks with type 'recurring'	Create assignment page is dismissed and calendar is displayed with new recurring assignment
5-15, Create a recurring assignment with 366 as the amount of weeks	1	Click on the 'plus' button in calendar page and input 366 weeks with type 'recurring'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
5-16, Create a recurring assignment with no information	1	Click on the 'plus' button in calendar page and input no information with type 'recurring'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
6-1, Create a multi-part assignment with valid information	1	Click on the 'plus' button in calendar page and input valid date, time, and name with type 'multi-part'	Create assignment page is dismissed and calendar is displayed with new multi-part assignment
6-2, Create a multi-part assignment with the due date and time in the past	1	Click on the 'plus' button in calendar page and input invalid information with type 'multi-part'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
6-3, Create a multi-part assignment with the due date at the current date and time	1	Click on the 'plus' button in calendar page and input invalid information with type 'multi-part'	An error should be displayed on the create assignment page with relevant information about what needs to be

			fixed
6-4, Create a multi-part assignment with the name 0 alphanumeric characters	1	Click on the 'plus' button in calendar page and input invalid information with type 'multi-part'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
6-5, Create a multi-part assignment with the name 1 alphanumeric characters	1	Click on the 'plus' button in calendar page and input name 1 character long with type 'multi-part'	Create assignment page is dismissed and calendar is displayed with new multi-part assignment
6-6, Create a multi-part assignment with the name 50 alphanumeric characters	1	Click on the 'plus' button in calendar page and input name 50 characters long with type 'multi-part'	Create assignment page is dismissed and calendar is displayed with new multi-part assignment
6-7, Create a multi-part assignment with the name 51 alphanumeric characters	1	Click on the 'plus' button in calendar page and input invalid information with type 'multi-part'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
6-8, Create a multi-part assignment with no note	1	Click on the 'plus' button in calendar page and input no note with type 'multi-part'	Create assignment page is dismissed and calendar is displayed with new multi-part assignment
6-9, Create a multi-part assignment with the notes of 500 characters	1	Click on the 'plus' button in calendar page and input note 500 characters long with type 'multi-part'	Create assignment page is dismissed and calendar is displayed with new multi-part assignment
6-10, Create a multi-part assignment with the notes of 501 characters	1	Click on the 'plus' button in calendar page and input invalid information with type 'multi-part'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed

6-11, Create a multi-part assignment with a class that the student is not enrolled in	1	Click on the 'plus' button in calendar page and input invalid information with type 'multi-part'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
6-12, Create a multi-part assignment with 1 part	1	Click on the 'plus' button in calendar page and input invalid information with type 'multi-part'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
6-13, Create a multi-part assignment with 2 parts	1	Click on the 'plus' button in calendar page and input two parts with type 'multi-part'	Create assignment page is dismissed and calendar is displayed with new multi-part assignment
6-14, Create a multi-part assignment with 10 parts	1	Click on the 'plus' button in calendar page and input 10 parts with type 'multi-part'	Create assignment page is dismissed and calendar is displayed with new multi-part assignment
6-15, Create a multi-part assignment with 11 parts	1	Click on the 'plus' button in calendar page and input invalid information with type 'multi-part'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
6-16, Create a multi-part assignment with no information	1	Click on the 'plus' button in calendar page and input no information with type 'multi-part'	An error should be displayed on the create assignment page with relevant information about what needs to be fixed
7-1, Calendar view shows up	1	Navigate to calendar	Calendar view should be displayed
7-2, Specific day in calendar view displays information	1	From the calendar view, click on any specific day	Information (assignments due, etc.) should be displayed for

for that day			that particular day
8-1, Prioritizing an assignment with valid priority	2	Click on an assignment from the feed and update with a valid priority	App should route back to feed with updated information
8-2, Prioritizing an assignment with invalid priority	2	Click on an assignment from the feed and update with an invalid priority	An error message should be displayed on the update assignment page
8-3, Prioritize an assignment with a priority of 0	2	Click on an assignment from the feed and update with an invalid priority	An error message should be displayed on the update assignment page
8-4, Prioritize an assignment with a priority of -1	2	Click on an assignment from the feed and update with an invalid priority	An error message should be displayed on the update assignment page
8-5, Prioritize an assignment with priority of 100	2	Click on an assignment from the feed and update with an invalid priority	An error message should be displayed on the update assignment page
8-6, Prioritize an assignment with priority of 101	2	Click on an assignment from the feed and update with an invalid priority	An error message should be displayed on the update assignment page
8-7, Prioritizing an assignment with no priority	2	Click on an assignment from the feed and update with no priority	An error message should be displayed on the update assignment page
9-1, Update completion status of an assignment	2	Click on an assignment from the feed and select a completion status percentage from the slider	App should route back to feed with updated information
10-1, View feed	1	Login or navigate to feed page	App should display feed page with assignments organized using an algorithm
11-1, Create an exam with valid input	1	Click on the 'plus' button in calendar page and input valid date, and time with type 'exam' and select class	App routes back to calendar where the exam should be displayed with the correct information
11-2, The start and	1	Click on the 'plus' button in	An error should be

end time of an exam are not on the same day		calendar page and input invalid information with type 'exam' and select class	displayed on the create exam page with relevant information about what needs to be fixed
11-3, The name of the exam is 0 alphanumeric characters long	1	Click on the 'plus' button in calendar page and input invalid information with type 'exam' and select class	An error should be displayed on the create exam page with relevant information about what needs to be fixed
11-4, The name of the exam is 1 alphanumeric character long	1	Click on the 'plus' button in calendar page and input exam name 1 character long with type 'exam' and select class	App routes back to calendar where the exam should be displayed with the correct information
11-5, The name of the exam is 50 alphanumeric characters long	1	Click on the 'plus' button in calendar page and input exam name 50 characters long with type 'exam' and select class	App routes back to calendar where the exam should be displayed with the correct information
11-6, The name of the exam is 51 alphanumeric characters long	1	Click on the 'plus' button in calendar page and input invalid information with type 'exam' and select class	An error should be displayed on the create exam page with relevant information about what needs to be fixed
11-7, No notes are added to the exam	1	Click on the 'plus' button in calendar page and input no notes with type 'exam' and select class	App routes back to calendar where the exam should be displayed with the correct information
11-8, The notes of the exam is 500 characters long	1	Click on the 'plus' button in calendar page and input note 500 characters long with type 'exam' and select class	App routes back to calendar where the exam should be displayed with the correct information
11-9, The notes of the exam is 501 characters long	1	Click on the 'plus' button in calendar page and input invalid information with type 'exam' and select class	An error should be displayed on the create exam page with relevant information about what needs to be fixed
11-10, Input no location	1	Click on the 'plus' button in calendar page and input no location with type 'exam' and	App routes back to calendar where the exam should be displayed with

		select class	the correct information
11-11, If location is inputted, length is 499 characters long	1	Click on the 'plus' button in calendar page and input location 499 characters long with type 'exam' and select class	App routes back to calendar where the exam should be displayed with the correct information
11-12, If location is inputted, length is 500 characters long	1	Click on the 'plus' button in calendar page and input invalid information with type 'exam' and select class	An error should be displayed on the create exam page with relevant information about what needs to be fixed
11-13, Create an exam with no input	1	Click on the 'plus' button in calendar page and input no information with type 'exam' and select class	An error should be displayed on the create exam page with relevant information about what needs to be fixed
12-1, Remove a course	2	Click on the 'delete' and then 'yes' button for a specific course from the profile page	The prompt should be dismissed and the profile page should be updated to not show the deleted course
13-1, Remove an assignment	2	Click on the 'delete' button for a specific assignment from the feed	The feed should be updated to not show the deleted assignment
13-2, Remove an exam	2	Click on the 'delete' button for a specific exam from the calendar view	The calendar view should be updated to not show the deleted exam
13-3, Remove an activity	2	Click on the 'delete' button for a specific activity from the calendar view	The calendar view should be updated to not show the deleted activity
14-1, Receive notifications	3	Set notifications in phone settings	Notifications should appear (IOS does this automatically)
15-1, Receive notifications after end of class time to input homework for that	3	Set notifications in phone prior	IOS should schedule notification for homework to appear after class

class			
16-1, Change notifications settings	3	Navigate to settings page and change notifications settings	App should now make notifications based on changed settings
17-1, Create activity associated with a class with valid input	1	Click on the 'plus' button in calendar page and input valid date, time, and location with type 'activity' and select class	Create activity page is dismissed and calendar is displayed with new activity
17-2, Create activity associated with a class with name 50 characters long	1	Click on the 'plus' button in calendar page and input valid information with name length 50 characters long with type 'activity' and select class	Create activity page is dismissed and calendar is displayed with new activity
17-3, Create activity associated with a class with name 51 characters long	1	Click on the 'plus' button in calendar page and input invalid name length with type 'activity' and select class	An error should be displayed on the create activity page with relevant information about what needs to be fixed
17-4, Create activity associated with a class with name 1 character long	1	Click on the 'plus' button in calendar page and input valid information with name length 1 character with type 'activity' and select class	Create activity page is dismissed and calendar is displayed with new activity
17-5, Create activity associated with a class with note size 0	1	Click on the 'plus' button in calendar page and input valid information with note length 0 characters with type 'activity' and select class	Create activity page is dismissed and calendar is displayed with new activity
17-6, Create activity associated with a class with note size 500	1	Click on the 'plus' button in calendar page and input valid information with note length 500 characters with type 'activity' and select class	Create activity page is dismissed and calendar is displayed with new activity
17-7, Create activity associated with a class with note size 501	1	Click on the 'plus' button in calendar page and input valid information with note length 501 characters with type	An error should be displayed on the create activity page with relevant information

		'activity' and select class	about what needs to be fixed
17-8, Create activity associated with a class with location size 0	1	Click on the 'plus' button in calendar page and input valid information with note length 0 characters with type 'activity' and select class	Create activity page is dismissed and calendar is displayed with new activity
17-9, Create activity associated with a class with location length 499	1	Click on the 'plus' button in calendar page and input valid information with note length 499 characters long with type 'activity' and select class	Create activity page is dismissed and calendar is displayed with new activity
17-10, Create activity associated with a class with location size 500	1	Click on the 'plus' button in calendar page and input valid information with note length 500 characters long with type 'activity' and select class	An error should be displayed on the create activity page with relevant information about what needs to be fixed
17-11, Create activity not associated with a class	1	Click on the 'plus' button in calendar page and input valid date, time, and location with type 'activity'	Create activity page is dismissed and calendar is displayed with new activity
18-1, Invite other users to an activity	2	Select 'invite' button, select activity and enter email of other users	The activity should be added to other users' calendar in a pending state
18-2, Invite people who aren't users	2	Select 'invite' button, select activity and enter email of non-users	An error message should appear
19-1, Navigate to the Shared Page	1	Navigate to the shared page, and wait for invitations.	Once user clicks the shared page, they should be redirected to the activity list.
19-2, Accept invitation	2	Navigate to the shared page and select accept on an invitation.	Once the user has clicked accept, the user can see it in their calendar.

19-3, Decline invitation	2	Navigate to shared page and select "decline" on an invitation	Activity is not added to the user's calendar