

# Scenarios

## Use Case Name: Plan a family activity

**Scenario Name and Number:** Plan a Family Activity (PFA1)

**Trigger:** A family member clicks on Start a Plan for a Family Activity on the system

**Preconditions:**

- Family member has an account on the system and is logged into that account
- Other family members have accounts on the system
- The system has access to all family members' calendars from the integration with the calendar service
- The family members have preset different family activity types and associated tasks with each type

**Stakeholders:**

- Family members (users of the system)
- Experts from the calendar service

**Postcondition:**

- A family activity has been planned with a scheduled date and time
- The family members have assigned tasks for the family activity
- The family activity is reflected in each family member's calendar on the calendar service
- Family members receive a notification, through the system, about the scheduled activity and their assigned tasks

A Family Member	System	Other Family Members	Calendar Service
1. Clicks on Start a Plan for a Family Activity			
	2. Generates a blank family activity		
3. Clicks to confirm that all family members will be invited to the activity			
	4. Displays a poll for a family activity		
5. Adds options for potential family activities to the poll			

	6. Displays the poll to all family members		
		7. Selects the most preferred activities among the options and submits their responses to the poll	
	8. Calculates the poll option with the most votes and presents the result		
9. Clicks the time slot selection			
	10. Opens a date picker		
11. Picks a range of days on the date picker and a duration (in hours) for the activity			
	12. Sends a request to fetch each family member's availability for the selected days		
			13. Returns the family members' availability for the selected days
	14. Takes the times that are available and presents them as options according to the specified activity duration		
15. Selects a time out of the presented options			

	16. Sets the time of the family activity		
17. Clicks to select the activity type			
	18. Presents the polled preferences of activity types		
19. Selects a family activity type out of the presented options			
	20. Generates a list of unassigned tasks based on the selected family activity type		
21. Assigns family members to the each task in the list and clicks to finalize the family activity			
	22. Displays notification to all family members with details about activity type, date and time, and their assigned tasks 23. Send details to all family members' calendar services	There should be a line separating step 22 and 23	
There should be a line separating step 24 and 25		24. Receives notification about the family activity type, time, date, and their assigned tasks	25. Records event in family members' calendars
<b>Alternative 1 - The family member does not send a poll for activity options</b>			
A1.5. Clicks to input a family activity without sending a poll			

	A1.6. Generates a field for the family member to fill in the family activity		
A1.7. Inputs the name of the family activity in the field			
A1.8. Go to 9			
<b>Alternative 2 - The family member does not check for other family members' availability before scheduling a date and time</b>			
A2.9. Clicks to select a specified date and time for the activity			
	A2.10. Opens a date picker and a time selector		
A2.11. Selects a date and time for the family activity			
	A2.12. Go to 16		
<b>Alternative 3 - The family member adds or removes family members from the activity</b>			
A3.3. Clicks to select which specific family members to invite to the activity			
	A3.4. Generates an editable list of all family members		
A3.5. Edits the list to specify which family members to include in the activity			
	A3.6. Go to 4		
<b>Alternative 4 - The family member does not use a preset family activity type</b>			
A4.17. Clicks to create a custom activity type			
	A4.18. Generates a		

	a blank field for the custom activity type and a blank list of tasks		
A4.19. Inputs the name of the activity type and fills in the list of tasks			
	A4.20. Go to 20		
<b>Exception 1 - Other family members do not respond to the poll for family activity options</b>			
		E1.7. Does not respond to the poll	
	E1.8. Generates a message to inform the family member that no responses were received for the poll and gives the family member the option to manually select an activity to proceed with		
E1.9. Receives the message and manually selects an activity for the family			
	E1.10. Go to 9		
<b>Exception 2 - The calendar service fails to return the other family members' availability</b>			
			E2.13. Fails to return the family members' availability and sends this status to the system
	E2.14. Receives the failure status and generates a message to inform the family member of the failure, and gives the family member the option to manually specify a date and time		

E2.15. Receives the message, and manually selects a date and time for the activity			
	E2.16. Go to 16		