

Android Task Monitoring

Task of Use Cases

الاسم:

- 1-ماري جرجس حنا
- 2-كلارا باسم فكري
- 3-ماريا ايمن ابراهيم
- 4-ماريان اشرف بشري
- 5-كيرلس جورج رفعت

المجموعة: 2

السكشن: 2

الفرقة الثانية كلية حاسبات معلومات مادة تحليل وتصميم النظم

Use case name: Purchase the program	ID: UC-1	Priority: High
Actor: The user		
Description: purchasing(buying) the android task monitoring from play store before download it, Because it's a paid application.		
Trigger: When the user click on(Buy bottom) for our application on play store. Type: External		
Preconditions: (1) Having a bank account. (2) Having a visa card. (3) Having Google play account.		
Normal Course: (1) The user open play store then search for our app (2) Click buy (3) The system send him message (50\$) for downloading. (4) The user agree for this message (alternative course 1). (5) Have enough money in the visa for downloading. (6) Purchasing process is done.	Information for Steps: ←app name →message of app's cost ←the user's approval	
Alternative Courses: (Branch from step 4) 1- if The money in visa isn't enough for downloading. 2-The system will send a message for the user "Money isn't enough, use another visa".	→warning message.	
Post conditions: (1) program is already downloaded. (2) System will not take any other fees.		
Exceptions: (Branch form step 4) 1-Visa is invalid 2-The system send to the user " Visa is invalid"		

Summary Inputs	Source	Outputs	Destination
1-App name. 2-The user's approval.	User User	1- message of app's cost 2-Warning message	User User

Use case name: Register		ID: UC-2	Priority: High
Actor: The user			
Description: The user registers in our app and make an account.			
Trigger: When the user sign in or sign up. Type: External			
Preconditions: (1)The user already downloaded the app (2) The mobile should be connected to the internet			
Normal Course: (1)The system will send welcome message to the user. (2)The User chooses sign up (alternative course) (3)The user press on create an account (4)The system shows the register personal form. (5)The user fills the form (6)The user clicks on “create”		Information for Steps: ➔Welcome message ⬅The user approves for creating an account ➔Personal form ⬅ User personal information.	
Alternative Courses: (Branch from step 2) 1-the user sign up with Facebook account or Google account. 2-The account is created.		⬅User account	
Post conditions: 1-Account is created 2-The user should full the list.			
Exceptions: (Branch from step 2) 1-ther user click sign in without having an account. 2-System sends him a message “this account isn’t exist sign up or exit”.			
Summary Inputs	Source	Outputs	Destination
1-The user approves for creating an account.	User	1-Personal message.	User
2- User personal information.	User	2-Personal form.	User
3- User account.	User		

Use case name: Title & subtitle	ID: UC-3	Priority: High
Actor: The system and the user.		
Description: -System displays main title and subtitle lists to the user. -The user wants to add new title and subtitle list and write his tasks.		
Trigger: When the user opens the app after creating an account, see the main title and subtitle lists that has already exist in the app and adding a new tittle or subtitle list if he wants. Type : External		
Preconditions: 1) The user has an account. 2) The mobile should be connected to the internet. 3) Open (share location mood)		
Normal Course: 1)When user open the app, the system displays main titles and subtitles list(Studying ,teams, achievements) 2)when the user click on his desired title list(Alter.1) 2a- If the user clicks on “Studying” -The system will display the sub-lists(Study stream ,Me) 2.a.1-The user clicks on “Study stream” - The system will display the sub-lists of study stream(Chats, Meetings) 2.a.1.1 -if he chooses chats -the system will display chats sub-lists(universal, local, linked Accounts. 2.a.1.1.1-if the user chooses universal -the system will displays ready streams -the user chooses desired stream 2.a.1.1.2-if the user chooses local -the system will displays ready streams -the user chooses desired stream 2.a.1.1.3-if the user chooses linked accounts 2.a.1.2 -if he chooses meetings		Information for Steps: ➔title and subtitle lists ←the user desired list ➔subtitle lists of studying ➔ sub-lists of study stream ➔chats sub-lists ➔ ready streams ←desired stream ➔ ready streams ←desired stream ➔ meetings sub-lists

<p>-the system will display meetings sub-lists(universal ,local, linked accounts)</p> <p>2.a.1.2.1-if the user chooses universal -System displays two bottoms(current , create new)</p> <p>2.a.1.2.2-if the user chooses local -System displays two bottoms(current , create new)</p> <p>2.a.1.2.3-if the user chooses linked accounts -System displays two bottoms(current , create new)</p> <p>2.a.2-The user clicks on “Me” - The system will display the sub-lists of “Me”(recommended Courses , Pomodoro button , focus button)</p> <p>2.a.2.1 -if he chooses recommended courses</p> <p>2.a.2.2 -if he chooses pomodoro button -The system will displays two buttons(Default, Customize)</p> <p>2.a.2.3 -if he chooses Focus button -The system will displays two Lists (time ,applications)</p> <p>2b- If the user clicks on “Teams” -The system will display the sub-lists of teams (Take notes during meetings (AI assistant, Link a group of people with each other (Group) and make them available to put appointments they have together</p> <p>2c-If the user chooses “Achievements list” -The system will display the sub-lists(Daily, weekly, monthly) Look the next use case(US-4)</p>	<p>➔current and create new buttons ➔current and create new buttons</p> <p>➔ the sub-lists of “Me”</p> <p>➔Default and customize buttons ➔Time and applications buttons ➔ the sub-lists of teams</p> <p>➔ the sub-lists of achievements</p>
<p>Alternative Courses: Branch from step 2 1)If the user wants to create new title list 2) the user presses on ”other” button. 3)Then creates his customize title list 4) press save button.</p>	<p>←customized list ➔ Save the new title list</p>

Post conditions:

- 1)The user created his title and subtitle lists
- 2)The use set reminder for his tasks.

Exceptions:

The user has a maximum of 3 options to add title lists by himself on the app, so the option "Other..." won't be enabled to use.

1. If the user already added 3 new title lists on the app and wants to add again it won't work and a list will be shown to the user telling him *"You have used the maximum number of adding new title-lists on the app. delete one of them if you want to add another title-list or use the Application's"*

a . If he chooses *"delete"* the system will show the new 3 title-lists that the user added and delete one of them.

b. if he pressed *"use the Application"* the system will open the "home page"

Summary Inputs	Source	Outputs	Destination
1) the user desired list	User	1) title and subtitle lists	User
2) desired stream	User	2) subtitle lists of studying	User
3) customized list		3) sub-lists of study stream	User
		4)chats sub- lists	User
		5) ready streams	User
		6) meetings sub-lists	User
		7) current and create new bottoms	User
		8) the sub- lists of "Me"	User
		9) Normal and customize bottoms	User
		10)Time and applications bottoms	User
		11) the sub- lists of teams	Database

		12)the sub- lists of achievements 13) Save the new title list	
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Use case name: Achievements	ID: UC-4	Priority: High
Actor: User		
Description: In this use case the user see how to deal with one of the main lists which is(achievements list)and its inner subtitles lists, know how to add a new task in subtitle list or adding another subtitle list.		
Trigger: The user wants to add a task to the achievements list		
Type: External		
Preconditions: The user must have an account and already signed in.		
Normal Course: 1- The user opens the achievements list. 2-The system displays the main subtitles of achievements list(daily ,weekly ,monthly)(Alter.1) 3- The user chooses the desired subtitle. 3a-If the user chooses daily -The system displays the subtitles (Tasks, Dairy, Shopping, Sports time, Break time, or Medicine) -The user chooses the desired subtitle to add the task in (Alter. 1) - press on the button <i>new task</i> to add a new one. - After completing the writing, the user should then press on " <i>save button</i> " to save the task. -Then the system asks the user if he wants to set a reminder or not -The user wants to add a reminder -The system gives him a time schedule to set the time that he will be reminded. - then press " <i>OK</i> " to set the time. - then the system returns the user to the " <i>Achievements List</i> ". 3b-If the user chooses weekly -The system displays the subtitles (Tasks, Shopping, Meetings, or Therapeutic sessions) -The user chooses the desired subtitle to add the task in. (Alter. 1) - press on the button <i>new task</i> to add a new one. - After completing the writing, the user should then press on " <i>save button</i> " to save the task. -The system asks the user if he wants to set a reminder or not		Information for Steps: ➔Main Lists ← the user choose ➔Sub-lists of daily list ← the user choose Subtitles ← new task button ← data of tasks ➔message of reminder ← user's reminder approval ➔time schedule from system ➔ Sub-lists of weekly list ← the user choose Subtitles ← new task button ← data of tasks

<ul style="list-style-type: none"> -The user wants to set a reminder -The system gives him a time schedule to set the time that he will be reminded. - then press "OK" to set the time. - then the system returns the user to the "Achievements List". <p>3c-If the user chooses monthly</p> <ul style="list-style-type: none"> -The system displays the subtitles (Tasks, Shopping, Meetings, Therapeutic sessions, or Fees) -The user chooses the desired subtitle to add the task in (Alter. 1) - press on button "new task" to add a new one. - After completing the writing, the user should then press on "save button" to save the task. -The system asks the user if he wants to set a reminder or not -The user wants to add a reminder -The system gives him a time schedule to set the time that he will be reminded. - then press "OK" to set the time. - then the system returns the user to the "Achievements List". -The user chooses other (Alter. 1). 	<p>➔message of reminder</p> <p>←user's reminder approval</p> <p>➔time schedule from system</p> <p>➔ Sub-lists of yearly list</p> <p>← the user choose Subtitles</p> <p>← new task button</p> <p>←data of tasks</p> <p>➔message of reminder</p> <p>←user's reminder approval</p> <p>➔time schedule from system</p>
<p>Alternative Courses:</p> <p>-Branch from step 2,step 3a,b,c(for adding another sub-list and a new task in it)</p> <ol style="list-style-type: none"> 1. The user chooses other button. 2. The user adds the desired title and subtitles he wants. 3. press on button "new task" to add a new one. 4. After completing the writing, the user should then press on "save button" to save the task. 5. The system asks the user if he wants to set a reminder or not 6. The user wants to add a reminder 7. The system gives him a time schedule to set the time that he will be reminded. 8. then press "OK" to set the time. 	<p>← Other button</p> <p>← the user choose Subtitles and title</p> <p>← data of tasks</p> <p>➔message of reminder</p> <p>←user's reminder approval</p> <p>➔time schedule from system</p>

Postconditions: 1. The tasks have been assigned. 2. The reminders have been set.			
Exceptions: The user has a maximum of 3 options to add lists by himself on the same list, so the option "Others..." won't be enabled to use. 1. If the user already added 3 new lists on the same list and wants to add again it won't work and a list will be shown to the user telling him <i>"You have used the maximum number of adding new sub-lists on the same list... delete one of them if you want to add another sub-list or use the Application"</i> A . If he chooses <i>"delete"</i> the system will show the new 3 sub-lists that the user added and delete one of them. b. if he pressed <i>"use the Application"</i> the system will open the "home page"			
Summary Inputs	Source	Outputs	Destination
1) the user	User	1) Main Lists	User
choose	User	2) Sub-lists	User
2) the user		of daily list	
choose Subtitles	User	3) message	User
3) new task	User	of reminder	
button	User	4) time	User
4)data of tasks		schedule	
5) user's	System	from system	User
reminder	User	5) Sub-lists	
approval		of weekly list	User
6)Other button	User	6) Sub-lists	
7) the user		of yearly list	
choose Subtitles			
and title			
8) data of tasks			

Use case name: Reminder		ID: UC-5	Priority: High
Actor: AI system			
Description: the process where the AI system will remind the user to do the tasks that haven't been done yet.			
Trigger: When user sets reminder for his tasks then it's the time to remind, AI system acts like the following steps.			
Type: Temporary			
Preconditions: -The user already sets his Title and subtitle list.			
Normal Course: 1)AI assistant system sends a reminder message when the time of the task comes 2)If the user click on "Done" bottom(Alter.1) - System will send an encourage message to the user. - The user will get coins to buy themes from market.		Information for Steps: ➔reminder message ⬅the user did the task ➔encouraging message ➔Market coins go to warehouse of the program	
Alternative Courses: 1)The user click on "Remind me later" -The AI system will appear a schedule contains time (hours, minutes, seconds) -The user selects time which he would like the system to remind him.		⬅ the user delays the task ➔time schedule ⬅user selects time	
Postconditions: -The user's coins will increase so he can buy new themes. - Encourage messages will increase the user's productivity.			
Exceptions: 3)When user cancels the task - AI system will remove the task from list.			
Summary Inputs	Source	Outputs	Destination

1) The user did the task	User	1) Reminder message	User
2) The user delays the task	User	2) Encouraging message	User
3) User selects time	User	3) Market coins go to warehouse of the program	Warehouse
		4) Time schedule	User

Use case name: Focus time	ID: UC-6	Priority: High
Actor: The user		
Description: the user wants to specific some applications to close them & their notifications not to interrupt and can focus easily on his/her task.		
Trigger: the user wants to focus on his/her tasks and not to interrupt him/her so the system will close specific apps.		
Type: <input checked="" type="checkbox"/> <i>Temporal</i> <input type="checkbox"/> <i>External</i>		
Preconditions: 1 – The user must have an account and signed in already. 2 – The user has important something that need to be focused on.		
Normal Course: 1 – The user opens the app. 2 – The user chooses study list from titles & subtitles. 3- The system displays the sub-lists of study list (Me – Study stream). 3 – the user chooses "Me list". 4- The system displays (Pomodoro Button – Recommended Courses – Focus time Button). 4 – The user presses on "Focus time" button. 5 – The system displays: a. Default time List which is (for 5 hours). (Alter. 1) b. Default Applications List (Facebook – Twitter Instagram – TikTok - YouTube). (Alter. 2) 6 – the user presses confirm button. 7- the system closes default applications with default time.	<div>←</div> <div>→</div> <div>←</div> <div>→</div> <div>←</div> <div>→</div> <div>←</div> <div>→</div> <div>←</div> <div>→</div>	Information for Steps: Choosing study list Displaying study list Choosing Me list Displaying Me list Choosing focus time Display time List Displaying applications List Confirm process Focus lock
Alternative Courses: 1 – if user wants to add customized time, press "Customized" in time list then the system displays time schedule with hours and minutes then user adds time he wants. (Branch at step 5a) 2- If user wants to choose customized Applications, press "Customized" in Applications list then the system displays Applications List (all apps the phone has).	<div>←</div> <div>←</div>	Customized time Customized applications

Postconditions:

- 1 – The customized apps will be closed during the customized time.
- 2 – The user won't receive any notification from these apps.

Exceptions:

- 1 – The user needed to cancel the focus time during doing the task.

Summary Inputs	Source	Outputs	Destination
1. Choosing study list	The user	1. Displaying study list	The user
2. Choosing Me list	The user	2. Displaying Me list	The user
3. Choosing focus time	The user	3. Displaying time List	The user
4. Confirm process	The user	4. Displaying applications List	The system of Android
5. Customized time		5. Focus lock	
6. customized applications			

Use case name: Market	ID: UC-7	Priority: High
Actor: the user		
Description: the user wants to buy new themes from the market by collected coins		
Trigger: the user needs to buy new themes to use them Type: <input checked="" type="checkbox"/> Temporal <input type="checkbox"/> External		
Preconditions: 1 - the tasks have been done on the exact time. 2 - The mobile must be connected to the internet. 3 - the user must have coins to enable him to buy new themes.		
Normal Course: 1 - the user goes to the cart button. 2 - the app opens list to show available themes. 3 - press the desired theme that the user wants to buy. 4 - if coins are enough to buy the desired theme, it will be added to home page and available to be used. (Alternative i) 5 - app will show to the user the remaining coins of his account and will show message that <i>"your shopping has been done successfully and the desired theme is added to your account ... hope to enjoy using our app!"</i>	Information for Steps: <div> <div>List of themes</div> <div>Choose specific themes</div> <div>Confirmation buying</div> </div>	
Alternative Courses: (i): 1 - if coins are not enough to buy specific theme. (branch at step 4) 2 - the system show message to user <i>"Do you want to buy another theme with enough coins?"</i> 2a - the user answers <i>"yes"</i> then system shows available themes again with their prices. 3a - the user chooses another theme with suitable coins he/she has in his/her cart. 4a - the user confirms his/her shopping.	<div> <div>Ask whether to buy another theme</div> <div>List of remaining themes</div> <div>Choosing theme</div> <div>Confirmation shopping</div> </div>	

5a - new theme will be added to home page of user`s account and ready to be used.	
2b - the user answers "No" .	
3b - the system shows message " Do you want to cancel your shopping now! " .	<div> <div>Press No</div> <div>←</div> <div>→</div> </div>
4b - if the user approved to cancel his/her shopping, the system terminates the use case.	<div> <div>Cancel message</div> <div>←</div> <div>→</div> </div>
	<div> <div>Cancellation</div> <div>←</div> </div>

Postconditions:

1 – the new theme will be added to the user’s account.

2 – the coins of user’s account will be decreased after buying new themes.

Exceptions:

1 – the system has zero coins or account is still new and not used before.

2- the system will cancel shopping of the user.

Summary Inputs	Source	Outputs	Destination
1 – Choose specific themes.	the user	1- List of themes	The user
2 –Choosing theme.	the user	2 - Confirmation buying	The system
3 – Confirmation shopping.	the user	3- Ask whether to buy another theme	The user
4 - Press No	the user		
5 - Cancellation	the user	4 – List of remaining themes.	The user
		5 - Cancel message	The user

Use case name: Logout		ID: UC-8	Priority: High
Actor: the user			
Description: the user wants to logout from his/her account			
Trigger: the user wants to logout from his/her account			
Type: <input checked="" type="checkbox"/> External <input type="checkbox"/> Temporal			
Preconditions: 1 - the user must have an account of app. 2- the user has already signed in the account. 3- the mobile must be connected the internet.			
Normal Course: 1 - the user presses the button "logout". 2 - the system shows message "Are you sure to logout from this app?" 3 - if the user press "yes". 4 - the system will logout the account.		Information for Steps: <div>← Logout</div> <div>→ Warning message</div> <div>← Approved to logout</div>	
Alternative Courses: 1 - The user presses "NO". (Branch at step 2). 2 - the system won't logout and continue in the application usage.		<div>← Disapproved logout</div> <div>→ Cancellation logout</div>	
Postconditions: 1 - the system will logout from the account. 2 - the sign in window will be shown again to re-login in the app.			
Exceptions: 1 - Mobile isn't connected to the internet, the system won't logout and continue in the application usage.			
Summary Inputs	Source	Outputs	Destination
1 – Logout	The user	1 – Warning message	The user
2 – Approved to logout	The user	2 – cancellation logout	The system
3 – Disapproved to logout	The user		