
VFund Use-Case Specification

Version 1.3

VFund	Version: 1.0
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Revision History

Date	Version	Description	Author
21/11/2020	1.0	Preliminary Use-case version of the VFund App	Võ Minh Lâm Nguyễn Thanh Minh Duy Nguyễn Duy Thiên Kim
25/11/2020	1.1	Update use-case model	Nguyễn Duy Thiên Kim
26/11/2020	1.2	Use-case specifications	Nguyễn Thanh Minh Duy
11/12/2020	1.3	Update use-case remove event	Võ Minh Lâm

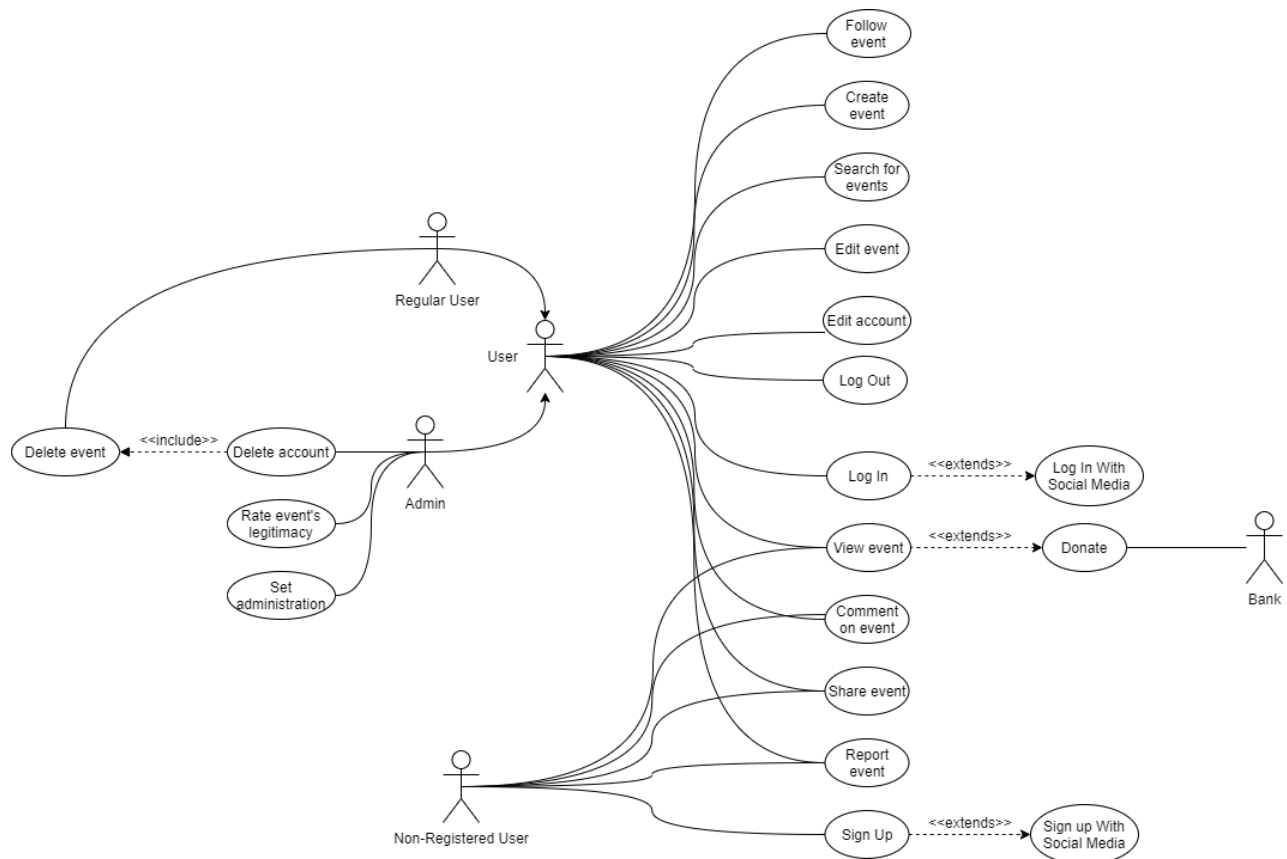
VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

Table of Contents

1. Use-case Model (Mô hình use-case)	4
2. Use-case Specifications (Đặc tả use-case)	4
2.1. Use-case: Sign up for an account	4
2.2. Use-case: Sign in	5
2.3. Use-case: Create funding event	6
2.4. Use-case: Share the funding event to social media (other platform)	6
2.5. Use-case: Users find an event	7
2.6. Use-case: Evaluate the funding event reliability	7
2.7. Use-case: Report an event	8
2.8. Use-case: Donate for an event	8
2.9. Use-case: Follow raising fund event	9
2.10. Use-case: Comment on raising fund event	9
2.11. Use-case: Remove a raising fund event	10
2.12. Use-case: Modify details of raising fund event	11
2.13. Use-case: Set account as Administrator/User	11
2.14. Use-case: Remove user account	12
2.15. Use-case: Modify user account	13

VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

1. Use-case Model (Mô hình use-case)



2. Use-case Specifications (Đặc tả use-case)

2.1 Use-case: Sign up for an account

Use case Name (Tên use-case)	Sign Up for an unregistered user
Brief description (Mô tả)	Users don't need an account for donating. However, to comment, post, create an event about funding, users do need to have an account.
Actors (Actors)	Non-registered user
Basic Flow (Luồng cơ bản)	<ol style="list-style-type: none"> 1. First before signing in to our home screen, users have to have an account 2. User clicks on 'Sign Up' button to start creating their account 3. User fills out information that needed to create an account 4. Click on 'Finish' 5. Now user can use that account to sign in

VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

Alternative Flows (Các luồng thay thế)	<p>Alternative flow 1: User's username has already been taken</p> <ol style="list-style-type: none"> 1. From #3 of Basic flow, if the username is already taken 2. Application will announce that their username has already taken 3. Application will recommend other untaken username for user 4. User will retype another username until the name is valid. 5. Back to #4 of Basic flow <p>Alternative flow 2: Password is not strong enough</p> <ol style="list-style-type: none"> 1. From #3 of Basic flow, if the password is not strong enough 2. System alerts user to enter the password to a specific form that is strong enough to protect their account 3. Back to #4 of Basic flow
Pre-conditions (Điều kiện đầu vào)	User download the app
Post-conditions (Điều kiện đầu ra)	The users successfully create an account.
Special Requirements	Responding time has to be under 30 seconds UI has to be simple for user to follow the sign up procedure

2.2 Use-case: Sign in

Use case Name (Tên use-case)	Sign in
Brief description (Mô tả)	This use case describes how the User can login in the app
Actors (Actors)	Non-registered user
Basic Flow (Luồng cơ bản)	<ol style="list-style-type: none"> 1. At the beginning, user can choose to login with an account or login as an anonymous user (anonymous user can only donate) 2. If users choose to login as an anonymous user, they will go directly into the app with an anonymous account. Else they will enter the UI for login in 3. In the UI for Login, Users can login with their current account or with their already linked social media account. (which they've done in sign up) 4. If the account exists, the app proceeds to the home screen.
Alternative Flows (Các luồng thay thế)	<p>Alternative flow 1: User enter wrong account's username, password</p> <ol style="list-style-type: none"> 1. From #3 of the Basic flow, if the user enters an inexistent account. System alert user that this account is not exists, maybe wrong password or username 2. They will have only 3 attempts before the app time-out 30 seconds 3. If the account is valid, back to #4 <p>Alternative flow 2: User login with unlinked social media account</p> <ol style="list-style-type: none"> 1. From #3 of the Basic flow, if user choose to sign in with social media account 2. Systems will create an account for them, then proceed to the set up account.

VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

	3. Back to #4
Pre-conditions (Điều kiện đầu vào)	User download the app
Special Requirements	Responding time has to be under 30 seconds UI has to be simple for user to follow the sign up procedure

2.3 Use-case: Create funding event

Use case Name (Tên use-case)	Create funding event
Brief description (Mô tả)	This use case describes how the User can create a funding event
Actors (Actors)	User (except Anonymous user)
Basic Flow (Luồng cơ bản)	<ol style="list-style-type: none"> 1. At the homepage, the users click on 'Add funding event' 2. Users now need to fill-out many informations that needed to for a funding event 3. At the tab story, user will need to fill out the story about the situation and provide pictures 4. Continue to tab goal, user will set a goal that they want to get 5. Next is tab donate informations, user will provide bank account, address, e-wallet id, etc 6. Then click on 'Finish' to create 7. The funding event will be pending for admin's authentication
Alternative Flows (Các luồng thay thế)	Alternative flow 1: Users create big funding event, need permission <ol style="list-style-type: none"> 1. From #2 of the Basic flow, if user clicks on 'Big Event' 2. User then needs to fill out more informations and authentications on tab specific informations 3. Back to #3
Pre-conditions (Điều kiện đầu vào)	User goes to home screen
Special Requirements	Responding time has to be under 30 seconds System has to let users know that their funding event has to be pending to wait for the authentication from admins.

2.4 Use-case: Share the funding event to social media (other platform)

Use case Name (Tên use-case)	Share the funding event to social media (other platform)
Brief description (Mô tả)	This use case describes how the Users can share a funding event to other platform like social media
Actors (Actors)	User
Basic Flow	<ol style="list-style-type: none"> 1. At the home screen, users will see many funding events.

VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

(Luồng cơ bản)	<ol style="list-style-type: none"> They can click on 'share' to share The application will ask for the platform that already have on their phone (mobile device) Proceed to the chosen platform with information about that event
Alternative Flows (Các luồng thay thế)	Alternative flow: None
Pre-conditions (Điều kiện đầu vào)	User goes to home screen
Post-conditions (Điều kiện đầu ra)	The user successfully shares an event

2.5 Use-case: Users find an event

Use case Name (Tên use-case)	Users find an event
Brief description (Mô tả)	This use case describes how the User can find an event
Actors (Actors)	User
Basic Flow (Luồng cơ bản)	<ol style="list-style-type: none"> At the home screen, the user enters keywords on the 'Search' field Users clicks on 'Search' button to start searching an event System displays the events found User can use filter feature for better results
Alternative Flows (Các luồng thay thế)	Alternative flow 1: User cannot find products searched <ol style="list-style-type: none"> From #1 of the basic flow, user enters another term Continue step #2 in the basic flow
Pre-conditions (Điều kiện đầu vào)	User goes to home screen
Post-conditions (Điều kiện đầu ra)	The user successfully find the event

2.6 Use-case: Evaluate the funding event reliability

Use case Name (Tên use-case)	Evaluate the funding event reliability
Brief description (Mô tả)	This use case describes how the system evaluate the event
Actors (Actors)	Administrator
Basic Flow (Luồng cơ bản)	<ol style="list-style-type: none"> Admin will review all the informations about a created event The information will then be transferred to an organization that handles the authentications. The reliability will be set base on the result came back from that organization
Alternative Flows (Các luồng thay thế)	Alternative flow 1: User leaving incorrect informations <ol style="list-style-type: none"> From #1 of Basic flow, base on the important of the information, the event could be canceled by the admin, or leaving a low reliability rate Back to #3

VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

Pre-conditions (Điều kiện đầu vào)	Information about created event transfers to admin
Post-conditions (Điều kiện đầu ra)	The admin gives a reliability rate about an event

2.7 Use-case: Report an event

Use case Name (Tên use-case)	Report an event
Brief description (Mô tả)	This use case describes how the User can report an event
Actors (Actors)	User
Basic Flow (Luồng cơ bản)	<ol style="list-style-type: none"> At the homepage, the user can click on '!' on an event card to report an event Fill out all informations that needed to be review about this event Submit the report
Alternative Flows (Các luồng thay thế)	Alternative flow 1: User want to report immediately <ol style="list-style-type: none"> From #1, user will find the contact information There will be authorities or admin numbers for user to contact if the report needed to be review ASAP
Pre-conditions (Điều kiện đầu vào)	User goes to home screen
Post-conditions (Điều kiện đầu ra)	The user successfully reports an event

2.8 Use-case: Donate for an event

Use case Name (Tên use-case)	Donate for an event
Brief description (Mô tả)	This use case describes how the User can donate
Actors (Actors)	User, Bank
Basic Flow (Luồng cơ bản)	<ol style="list-style-type: none"> At the home screen, user clicks on the 'donate' on the event card Fill out some information about the donations. At the tab donator information, user can choose to left it blank or with their current account information Next is tab donation, the user will fill out some information about the type of donation: bank, gift card, things,... Then clicks on 'Finish' System will update on the event and handle the donations
Alternative Flows (Các luồng thay thế)	Alternative flow 1: The gift card is invalid <ol style="list-style-type: none"> From #4 of basic flow, alert user that the gift card is invalid Back to #4 of basic flow Alternative flow 2: Users donate things from online shopping sites like amazon, shopee, tiki,... <ol style="list-style-type: none"> From #4 of basic flow, users will have to provide information about the

VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

	receipts, date arrived,... 2. Back to #5 of basic flow
Pre-conditions (Điều kiện đầu vào)	User goes to home screen and donate
Post-conditions (Điều kiện đầu ra)	The user successfully donates for the event.

2.9 Use-case: Follow raising fund event

Use case Name (Tên use-case)	Follow raising fund event
Brief description (Mô tả)	This use case describes how the User can follow the raising fund event
Actors (Actors)	User
Basic Flow (Luồng cơ bản)	<ol style="list-style-type: none"> At the homepage, the user enters keywords on the 'Search' field Users clicks on 'Search' button to start searching an event System displays the raising fund events found User clicks 'Follow' button on the expected event System adds that event to the following list System displays the notification of all event in the list to the user whenever there is some changes of that event
Alternative Flows (Các luồng thay thế)	<p>Alternative flow 1: User cannot find event searched</p> <ol style="list-style-type: none"> From #1 of the basic flow, user enters another term Continue step #2 in the basic flow <p>Alternative flow 2: Raising fund event has already followed</p> <ol style="list-style-type: none"> From #4 of the basic flow, user clicks "Unfollow" button on the expected event System removes that event from the following list System won't display the notification from that event anymore
Pre-conditions (Điều kiện đầu vào)	User has logged in
Post-conditions (Điều kiện đầu ra)	The user successfully follow or unfollow the specified event

2.10 Use-case: Comment on raising fund event

Use case Name (Tên use-case)	Comment on raising fund event
Brief description (Mô tả)	This use case describes how the User can comment on specified raising fund event
Actors (Actors)	User
Basic Flow	<ol style="list-style-type: none"> At the homepage, the user enters keywords on the 'Search' field

VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

(Luồng cơ bản)	<ol style="list-style-type: none"> Users clicks on 'Search' button to start searching an event System displays the raising fund events found User clicks button on the expected event System get the user to tab story of that event User clicks 'Comment' button System get the user to tab comment of that event User enters comment on comment textbox System displays the comment of user on the comment System saves comment on the server
Alternative Flows (Các luồng thay thế)	<p>Alternative flow 1: User cannot find event searched</p> <ol style="list-style-type: none"> From #1 of the basic flow, user enters another term Continue step #2 in the basic flow <p>Alternative flow 2: Interrupted connection while entering comment</p> <ol style="list-style-type: none"> From #8 of the basic flow, system pops up a message mentioned about the interruption Continue step #8 until connection is stable
Pre-conditions (Điều kiện đầu vào)	User has logged in
Post-conditions (Điều kiện đầu ra)	The user successfully comment on raising fund event

2.11 Use-case: Remove a raising fund event

Use case Name (Tên use-case)	Remove a raising fund event
Brief description (Mô tả)	This use case describes how the User remove a raising fund event
Actors (Actors)	User
Basic Flow (Luồng cơ bản)	<ol style="list-style-type: none"> At the homepage, the user enters keywords on the 'Search' field User clicks on 'Search' button to start searching an event System displays the raising fund events found User clicks 'Remove' button on the expected event System shows a textbox for User to write a cause for removing User clicks 'OK' to remove event System sends a message to event's organizer and send notification for any users who follow that event System removes event on the server
Alternative Flows (Các luồng thay thế)	<p>Alternative flow 1: User cannot find event searched</p> <ol style="list-style-type: none"> From #1 of the basic flow, user enters another term Continue step #2 in the basic flow <p>Alternative flow 2: User doesn't click 'OK' to remove event</p> <ol style="list-style-type: none"> From #6 of the basic flow, user clicks 'Cancel'

VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

	2. Continue step #4 in the basic flow Alternative flow 3: Event has been donated 1. From #6 of the basic flow, system sends notification to all registered-users who have donated or followed that event.
Pre-conditions (Điều kiện đầu vào)	User has already logged in
Post-conditions (Điều kiện đầu ra)	The User successfully removes the raising fund event

2.12 Use-case: Modify details of raising fund event

Use case Name (Tên use-case)	Modify details of the raising fund event
Brief description (Mô tả)	This use case describes how the User modify details of his/her own event
Actors (Actors)	User
Basic Flow (Luồng cơ bản)	1. At the homepage, user press 'My Events' 2. System displays all organizer's events 3. User clicks on the expected event 4. System displays the specified raising fund event 5. User clicks on 'Modified' icon to begin modifying 6. User can click on Story tab to modify story 7. User can click on Update tab to update the progress 8. User can click on Donation tab to modify donate goal 9. System saves all the changes on server
Alternative Flows (Các luồng thay thế)	Alternative flow 1: User find event by search bar 1. From #1 of the basic flow, user enters keyword on 'Search' field 2. System displays the raising fund event found 3. User clicks on his/her own expected event 4. Continue step #4 in the basic flow Alternative flow 2: User cannot find event by search bar 1. From #1 of the alternative flow 1, user enters another terms 2. Continue step #2 in the alternative flow 1 Alternative flow 3: Clicked event doesn't belong to that user 1. From #3 of alternative flow 1, user clicks 'Back' button to get back 2. Continue step #3 on alternative flow 1
Pre-conditions (Điều kiện đầu vào)	Logged in as User and have at least 1 event
Post-conditions (Điều kiện đầu ra)	The user successfully modifies the raising fund event

2.13 Use-case: Set account as Administrator/User

Use case Name	Set the account to admin/user account
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VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

(Tên use-case)	
Brief description (Mô tả)	This use case describes how the Administrator set specified account to Administrator/User account
Actors (Actors)	Administrator
Basic Flow (Luồng cơ bản)	<ol style="list-style-type: none"> 1. At the homepage, Admin clicks 'Users' button 2. System gets Admin to user list screen 3. Admin enters keyword on the 'Search' field 4. Admin clicks 'Set as Admin' button on expected user account 5. Systems shows a message required confirmation from Admin 6. Admin clicks 'OK' 7. System sets that account to be Administrator 8. System sends notification to that user
Alternative Flows (Các luồng thay thế)	<p>Alternative flow 1: Admin cannot find user searched</p> <ol style="list-style-type: none"> 1. From #3 of the basic flow, admin enters another term 2. Continue step #4 in the basic flow <p>Alternative flow 2: Admin doesn't need to use 'Search' tool</p> <ol style="list-style-type: none"> 1. From #2, Admin clicks 'Set as Admin' button on expected user account 2. Continue step #5 in the basic flow <p>Alternative flow 3: Account has already been Administrator</p> <ol style="list-style-type: none"> 1. From #4 of the basic flow, admin clicks 'Set as User' 2. Systems shows a message required confirmation from Admin 3. Admin clicks 'OK' 4. System sets that account to be User 5. System sends notification to that user <p>Alternative flow 4: Administrator clicks on his/her own account</p> <ol style="list-style-type: none"> 1. From #4 of the basic flow, there is no button displayed on his/her own account 2. Continue step #4 of the basic flow
Pre-conditions (Điều kiện đầu vào)	<p>Logged in as Administrator</p> <p>System has at least 1 user account</p>
Post-conditions (Điều kiện đầu ra)	The Administrator successfully set account to be Administrator/User

2.14 Use-case: Remove user account

Use case Name (Tên use-case)	Remove the user account
Brief description (Mô tả)	This use case describes how the Administrator remove the user account
Actors (Actors)	Admin
Basic Flow	<ol style="list-style-type: none"> 1. At the homepage, Admin clicks 'Users' button

VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

(Luồng cơ bản)	<ol style="list-style-type: none"> System gets Admin to user list screen Admin enters keyword on the 'Search' field Admin clicks 'Remove' button on expected user account Systems shows a message required confirmation from Admin Admin clicks 'OK' System removes all event of that user System removes that user
Alternative Flows (Các luồng thay thế)	<p>Alternative flow 1: Admin cannot find user searched</p> <ol style="list-style-type: none"> From #3 of the basic flow, admin enters another term Continue step #4 in the basic flow <p>Alternative flow 2: Admin doesn't need to use 'Search' tool</p> <ol style="list-style-type: none"> From #2, Admin clicks 'Remove' button on expected user account Continue step #5 in the basic flow
Pre-conditions (Điều kiện đầu vào)	<p>Logged in as Administrator</p> <p>System has at least 1 user account</p>
Post-conditions (Điều kiện đầu ra)	The Administrator successfully set account to be Blocked/Unblocked

2.15 Use-case: Modify user account

Use case Name (Tên use-case)	Modify the user account
Brief description (Mô tả)	This use case describes how the Administrators modify user account
Actors (Actors)	Administrator
Basic Flow (Luồng cơ bản)	<ol style="list-style-type: none"> At the homepage, Admin clicks 'Users' button System gets Admin to user list screen Admin enters keyword on the 'Search' field Admin clicks 'Modify' button on expected user account System let Admin modify some attributes of user account Admin clicks 'Save' Systems shows a message required confirmation to Admin Admin clicks 'OK' System modifies user account System sends notification to that user
Alternative Flows (Các luồng thay thế)	<p>Alternative flow 1: Admin cannot find user searched</p> <ol style="list-style-type: none"> From #3 of the basic flow, admin enters another term Continue step #4 in the basic flow <p>Alternative flow 2: Admin doesn't need to use 'Search' tool</p> <ol style="list-style-type: none"> From #2, Admin clicks 'Modify' button on expected user account Continue step #5 in the basic flow <p>Alternative flow 3: Administrator clicks on other Admin account</p>

VFund	Version: 1.0
Use-Case Specifications	Date: 21/11/2020
<document identifier>	

	<ol style="list-style-type: none"> 1. From #4 of the basic flow, there is no button displayed on admin account 2. Continue step #4 of the basic flow
Pre-conditions (Điều kiện đầu vào)	Logged in as Administrator System has at least 1 user account
Post-conditions (Điều kiện đầu ra)	The Administrator successfully modifies user account