

## Use Cases Description of Blood Bank Project

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Here, we are showing the use cases and use case description of a blood bank project. to read the case study of functional requirements and other details about the Blood Bank Project, then you can [click here](#).

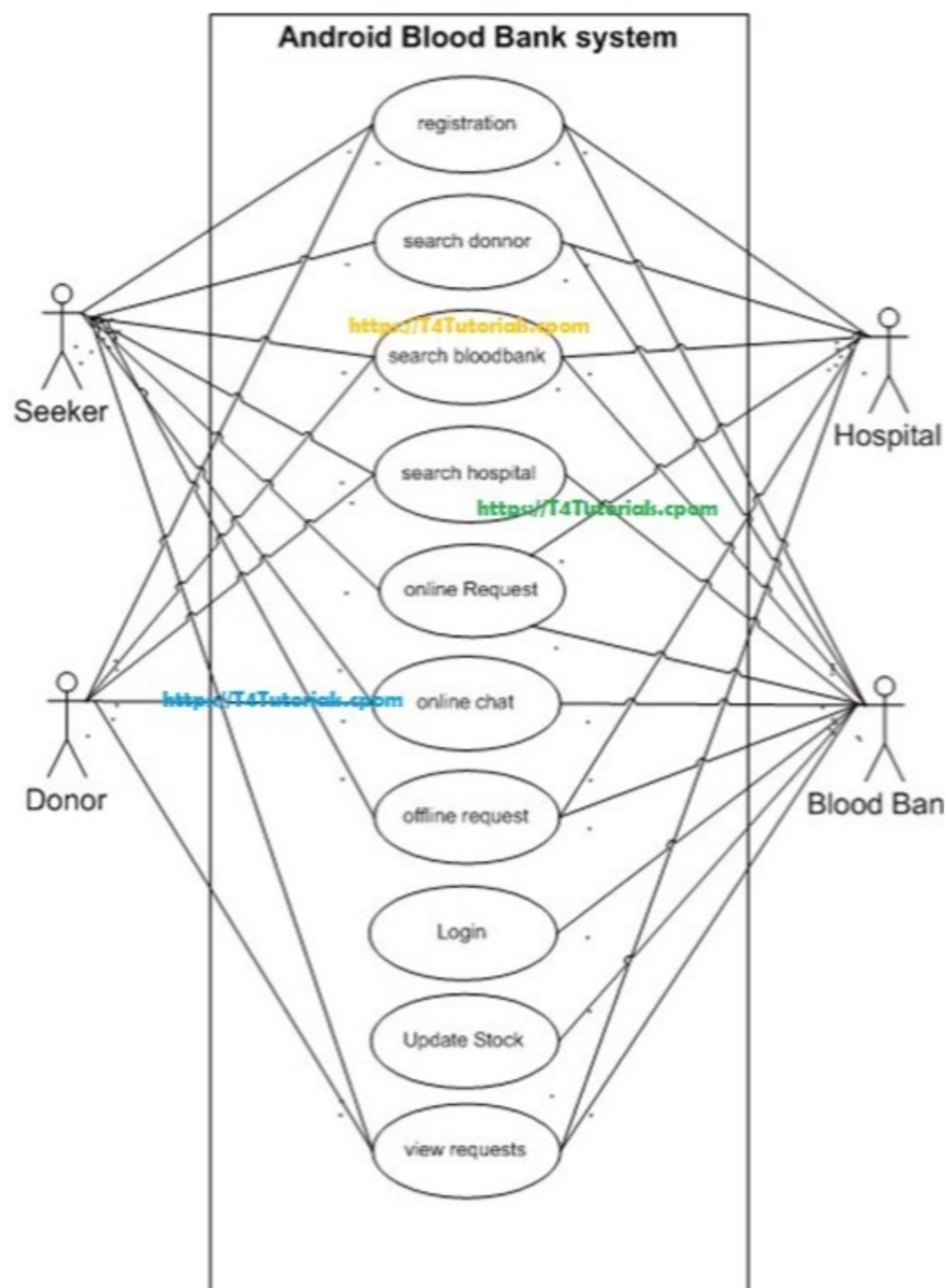
#### Use case 1: User Registration

Use Case ID	<b>UC1</b>
Use Case Name	Registration
Actor(s)	Blood Donor, Blood Seeker, Hospitals, Blood Banks
Purpose	For user registration
Pre Conditions	User selected the registration form to fill
Post Conditions	Information is valid. Saved in database Invalid Information. Error message displayed
Success Scenario	All provided information is valid.
User Action	<b>System Response</b>
<b>User fill the required fields</b>	The system will save the data in the database

#### Use case 2: Search Donors

Use Case ID	<b>UC2</b>
Use Case Name	Search Donors

Actor(s)	Blood Seeker, Hospitals, Blood Banks
Purpose	For search Donors
Pre Conditions	A user has selected donors page.
Post Conditions	<p>If internet connection is available. Donors found successfully</p> <p>If internet connection is not available. The offline screen will be displayed</p>
Success Scenario	Donors found successfully.
User Action	<b>System Response</b>
<b>The user has chosen Donors Page</b>	The system will show all the donors to the user



## Use Case 3: Search Blood banks

Use Case ID	<b>UC2</b>
Use Case Name	Search Blood banks
Actor(s)	Blood Donor, Blood Seeker, Hospitals
Purpose	For search Blood banks
Pre Conditions	The user has selected Bloodbank page
Post Conditions	If internet connection is available. Blood bank found successfully  If internet connection is not available. The error screen will be displayed
Success Scenario	Blood bank found successfully.
User Action	<b>System Response</b>
<b>The user has chosen Bloodbank Page</b>	The system will show all the Bloodbank details to the user.

## Use Case 4: Search Hospitals

Use Case ID	<b>UC2</b>
Use Case Name	Search Hospitals
Actor(s)	Blood Donor, Blood Seeker, Blood Bank
Purpose	For search Hospitals
Pre Conditions	A user has selected Hospital page.
Post Conditions	If internet connection is available. Hospital found successfully  If internet connection is not available. The error screen will be displayed
Success Scenario	The hospital found successfully.
User Action	<b>System Response</b>
<b>The user has chosen Hospital Page</b>	The system will show all the Hospital details to the user.

## Use case 5: Make an online request

Use Case ID	<b>UC5</b>
Use Case Name	Manage Members
Actor(s)	Hospital, Bloodbank, Blood Seeker
Purpose	Make Request for required blood
Pre Conditions	The user selects the request page
Post Conditions	<p>If Success data saved and displayed</p> <p>If Failed error message will display and the backup be displayed for the offline request</p>
Success Scenario	All new data is valid and saved successfully
User Action	<b>Select request page and fill the form</b>
<b>User fill the required fields</b>	The system will save the data in the database.

## Use case 6: Online Chat

Use Case ID	<b>UC5</b>
Use Case Name	Online Chat
Actor(s)	Blood Donors, Blood Seeker
Purpose	Online chat in case of zero balance in c for the required blood
Pre Conditions	The user selects the chat page

Post Conditions	<p>If Internet Connection is available, messages can be sent and receive</p> <p>If an error in Internet Connection, Conversation will be happening</p>
Success Scenario	Successful conversation
User Action	<b>Select chat page and start chat</b>
<b>The user fills the chat field and submit</b>	The system will save the messages in the database.

### Use case 7: Make offline blood request

Use Case ID	<b>UC5</b>
Use Case Name	Make offline blood request
Actor(s)	Hospital, Bloodbank, Blood Seeker
Purpose	Make offline Blood Request in case of no internet connection
Pre Conditions	No internet connection
Post Conditions	If no internet connection backup screen will be displayed with the option of offline blood request
Success Scenario	All new data is valid and saved successfully in the SQLite database
User Action	<b>Select offline request option and fill the required fields and refresh the application in case of no internet connection</b>
<b>User fill the required fields</b>	The system will save the data in the database

### Use Case 8: Login

Use Case ID	<b>UC2</b>
Use Case Name	Login
Actor(s)	Blood Banks
Purpose	For accessing the blood bank operation
Pre Conditions	User selected the blood bank module and not a blood bank instead of a user.

Post Conditions	<p>If internet connection is available. Login successfully</p> <p>If internet connection is not available login failed</p>
Success Scenario	View Bloodbank Operations.
User Action	<b>System Response</b>
<b>The user has chosen Bloodbank Page</b>	The system will show all the Operations user.

### Use Case 9: Update Stock

Use Case ID	<b>UC2</b>
Use Case Name	Update Stock
Actor(s)	Blood Banks
Purpose	For updating the blood bank stock
Pre Conditions	User selected the blood bank module and a blood bank instead of a user.
Post Conditions	<p>If internet connection is available. Stock updated successfully</p> <p>If internet connection is not available , the stock update failed</p>
Success Scenario	Updated bloodstock successfully.
User Action	<b>System Response</b>
<b>The user has chosen Bloodbank Page</b>	The system will update the stock successfully

### Use Case 10: View Requests

Use Case ID	<b>UC2</b>
Use Case Name	View Requests
Actor(s)	Blood Donor, Blood Seeker, Hospitals, Blood Banks
Purpose	For View the Blood Requests
Pre Conditions	The user has selected Requests page



Post Conditions	<p>If internet connection is available. Request will be displayed successfully</p> <p>If internet connection is not available. The error message screen will be displayed</p>
Success Scenario	View Requests successfully.
User Action	<b>System Response</b>
<b>The user has chosen Hospital Page</b>	The system will show all the Requests for the Hospital

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