

# The Design and Development Social Networking Site of Petra Christian University Library

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# Background

- The collection information only be distributed to the users by library staff
- Users as passive part only can see library collection information.
- User can not publish their collection.



# Problems

- How to design a social media for the library community and book lover.
- How to make a user friendly social web.
- How to make a tool where users can update the latest information.
- How to count the rating of a collection.



# Objective

Create a web based application to help the library of Petra Christian University to distribute the latest information and as a communication bridge between users to shared information and their collection.



# Scope

- User privilege
- User and library collection
- Website facilities for administrator
- Website facilities for user



# Website facilities for administrator

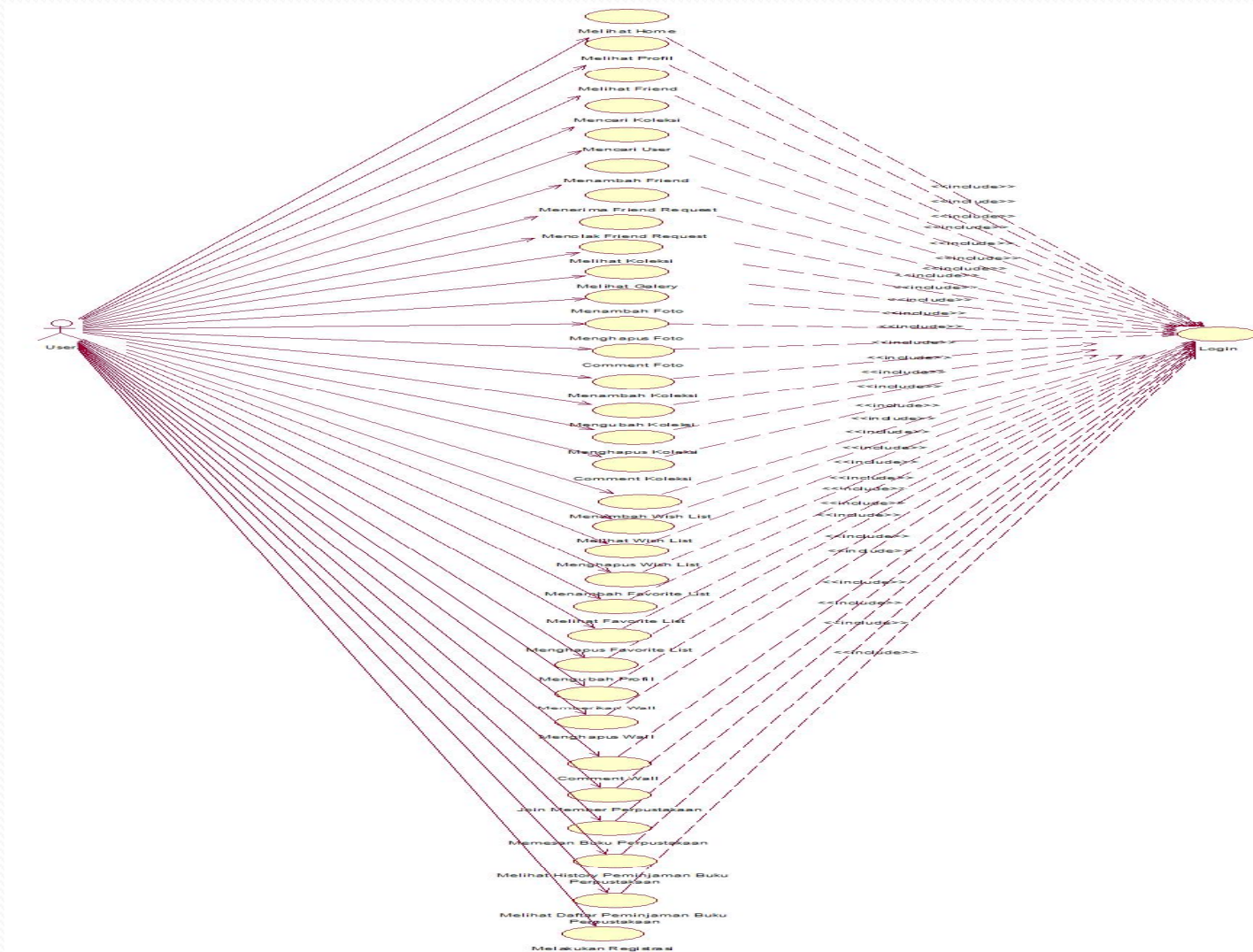
- Management of user registration data
- Manage user and collection database systems
- Update user and collection database



# Website facilities for user

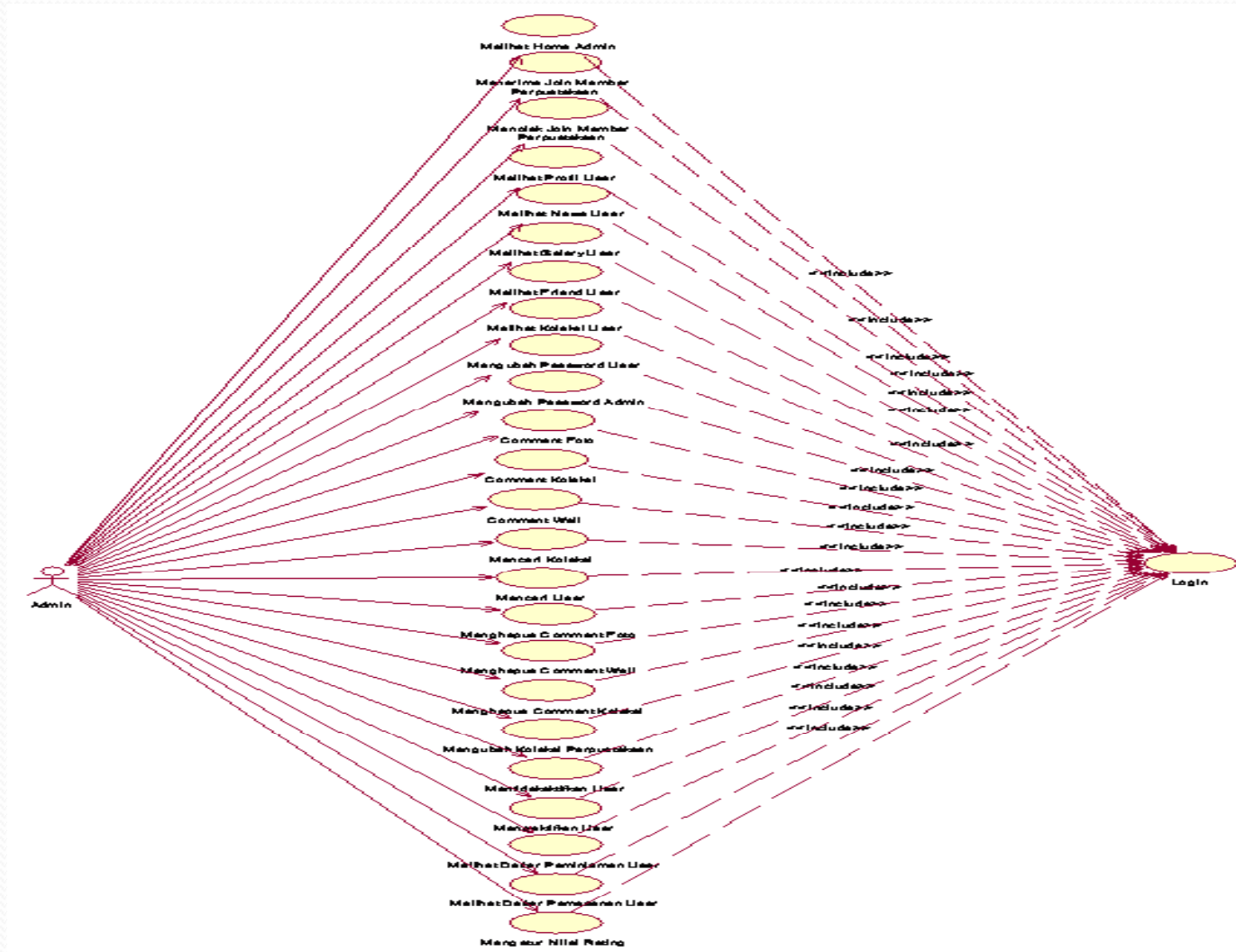
- Home
- Profile
- Friend
- Search
- Collection
- Setting
- Library

# Use Case Diagram (user)

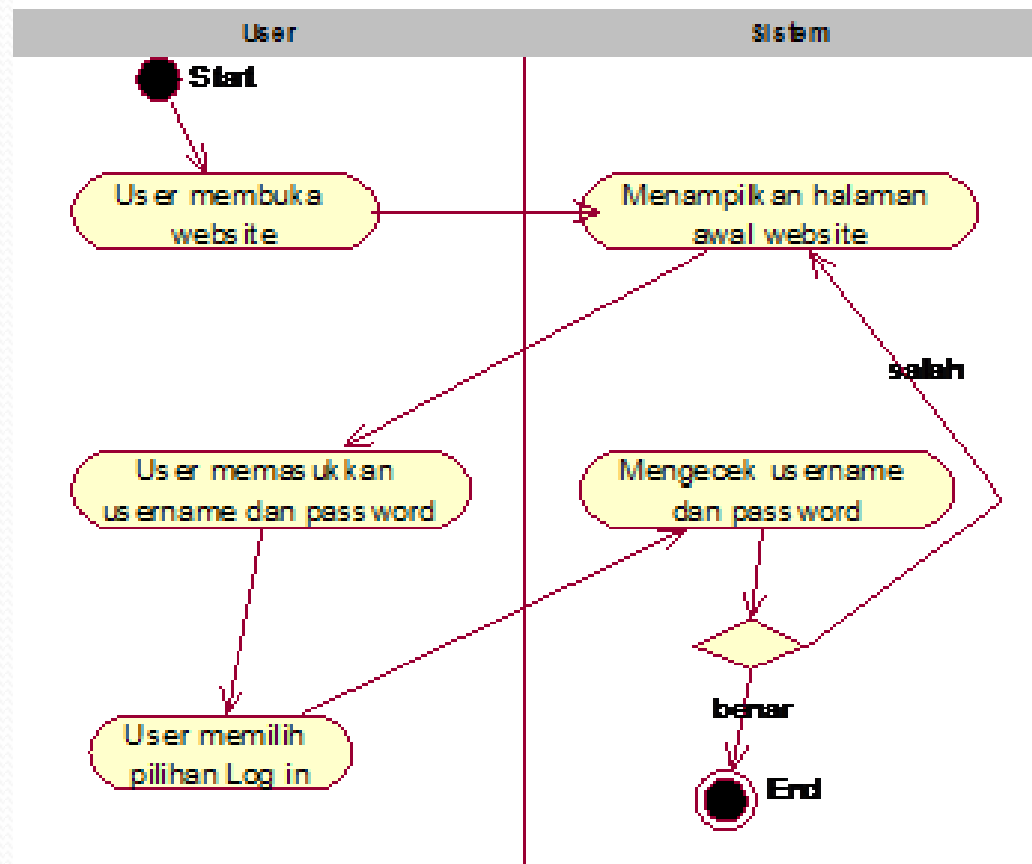




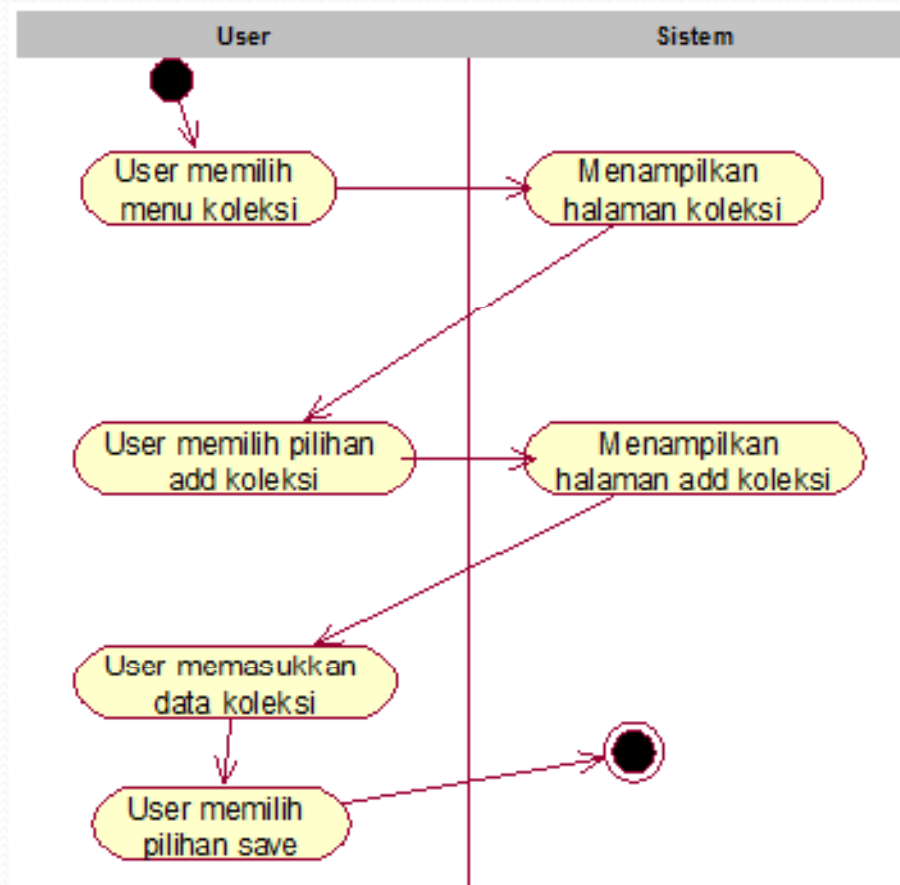
# Use Case Diagram (Admin)



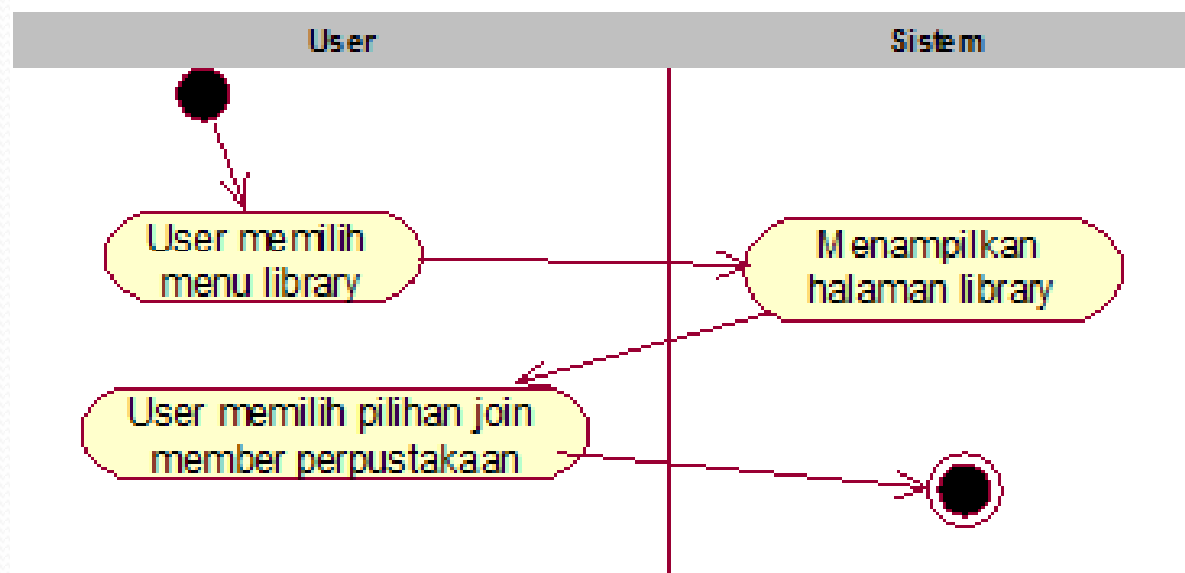
# Activity Diagram User (Login)



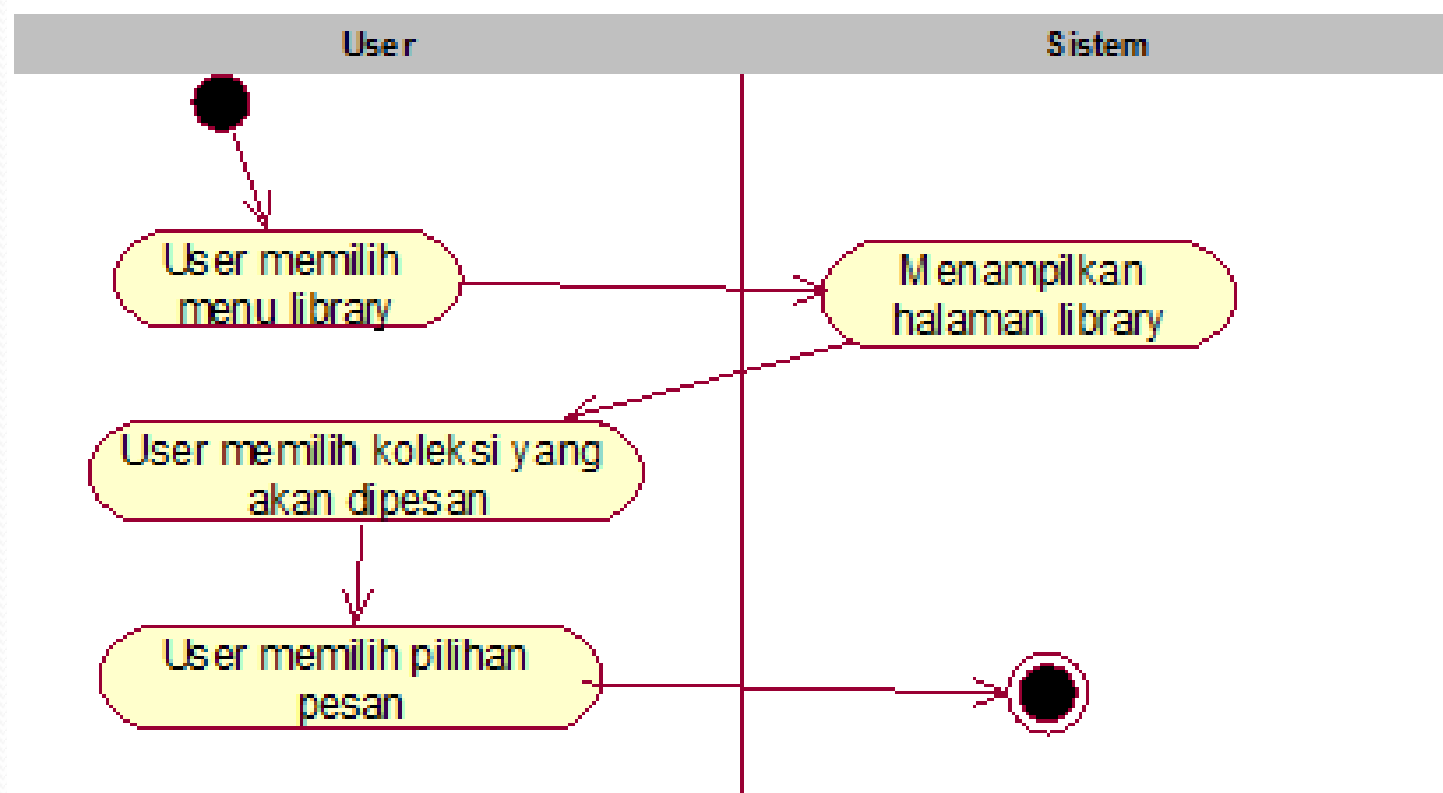
# Activity Diagram User (Add Collection)



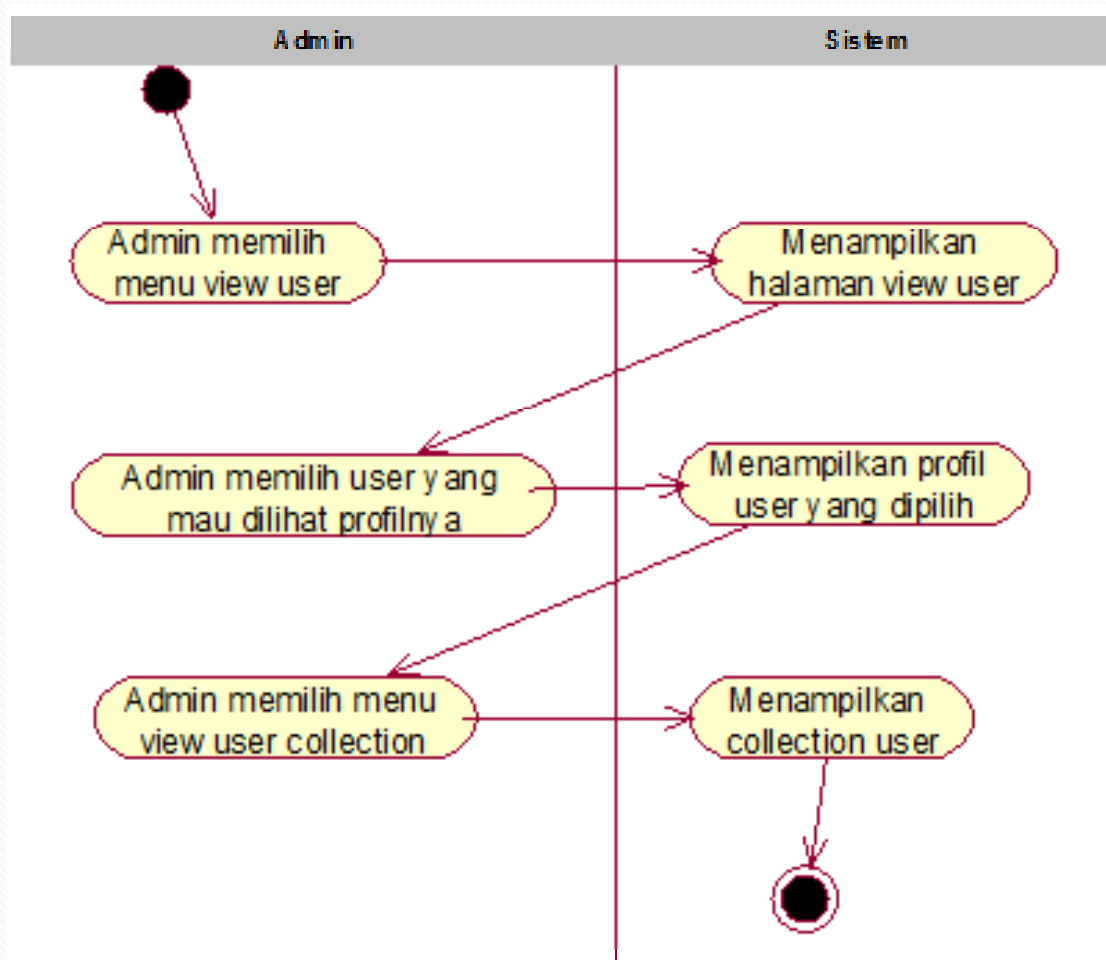
# Activity Diagram User (Join Library)



# Activity Diagram User (Reservation Collection)



# Activity Diagram Admin (Change User Password)









# Questionnaire Result

<b>No Kuisiner</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>No 1</b>	6	6	8	8	8	8	8
<b>No 2</b>	8	6	8	8	6	8	8
<b>No 3</b>	6	8	8	10	8	10	8
<b>No 4</b>	8	8	8	8	10	8	8
<b>No 5</b>	8	10	8	10	8	8	8
<b>No 6</b>	8	10	8	8	8	10	8
<b>Nilai Total</b>	44	48	48	52	48	52	48

# Questionnaire Average Result

Pertanyaan	Nilai Rata-Rata
Desain dalam menampilkan penyaluran informasi	7,3
Kejelasan dan kemudahan mempelajari struktur navigasi dan informasi yang ditampilkan	8,0
Informasi yang ditampilkan telah memenuhi kebutuhan	8,0
Kemudahan mengakses dan menggunakan fitur yang ada	8,7
Kelengkapan fitur yang ada	8,0
Kenyamanan dalam mengakses informasi	8,7
Nilai keseluruhan aplikasi	8,0

# Conclusion

- Collection of information can be given in a more equitable and more easily because it can be accessed directly from the website.
- Making a social networking site needs attractive design, complete feature and accordance with user needs and interesting content. So for this site has provided rating facilities, comment facilities, add favorite, add wish, etc.
- From questionnaire result, the design interface get 73%, the structure clarity get 80%, the given information get 80%, user friendly get 87%, complete feature get 80%, convenience in accessing information 87%, and the total from all questionnaire for this program is 80%.