**PSEUDO CODE**

SERVER:

Step-1: If(password==n)

{

continue

}

else

{

login failed

}

Step-2: Creation of Socket

If socket creation is successful

{

socket is created

}  
 else

{

Socket creation failed.

}

Step-3: Binding of port with socket IP address.

If binding is successful

{

port is bound with IP address

}  
 else

{

Binding is failed

}

Step-4: Listen client connection requests

if listening is successful

{  
 Connection requests are checked

}  
 else

{  
 listening is failed

}

Step-5: Accepts the connection from client

If accept is successful

{

connection is established

}

Else

{

Connection is failed

}

Step-6: After successful Connection – Communication is established between server-client.

Step-7: Closing of socket.

**CLIENT:**

Step-1: Creation of Socket

If socket creation is successful

{

socket is created

}  
 else

{

Socket creation failed.

}

Step-2: Connect the connection request to server

If connect is failed

{

connection is not established

}

else

{

connect is successful connection is established

}

Step-3: After successful Connection – Communication is established between server-client.

Step-4: Closing of socket.

**Database:**

Step-1: Create database

Step-2: Open Database

Step-3: Insert data into database i.e. list of URLs of books

Step-4: Search from database and display URLs based on client requirement

Step-5: After displaying client should be able to download books

Step-6: Close database

**Execv:**

If client requests server to access database then using exec function database is accessed

**Signals:**

Signals are used to terminate the communication between client-server