System Requirements Statement (SRS) –

Meet Your Need

Introduction

1.1 Document Purpose

This document communicates the business requirements and scope for developing Meet Your Need System. The scope of this document is to define the functional and non-functional requirements, business rules and other constraints requirements.

1.2 Project Background

Meet Your Need enables faster growth opportunities as compared to any full-time job. It also helps to nurture great interpersonal skills and the ability to deal with different kinds of situations. This is due to the exposure one earns while working simultaneously in a variety of fields and domains and with different people. "While it's always good to excel in one subject, freelancing exposes you to various kinds of companies and domains. As a result, you learn more in say five years of freelancing than being in one or two jobs in that same period of time". This happens because each time one deals with a new client directly, they are required to start from scratch and figure the entire unfolding process. Moreover, as a vendor(Vendor), one is required to build their own work portfolio to establish their credibility. This ends up making them a sales person, a pre-sales person and also marketing executive.

1.3 Goals of the project

Meet Your Need is a marketplace for vendors in fields like writing, graphic design and web development. The site **helps professionals find projects, communicate with clients and get paid**. If you're a new Vendor or new vendor, or working in a new field, you can rack up valuable experience without always having to pitch clients cold. Meet your need allows vendors can work remotely from anywhere in the world especially in India, making it easier for them to find and apply for projects.

Functional Requirements

The Account part of Meet-Your-Need System has three modules which are divided 13 processes described as below.

No	BRS requirement ID	Description
1.1	Vendor Module	
1.1.1	F1	Account Creation Process
1.1.2	F2	Login Process
1.1.3	F3	Forgot Password Process
1.1.4	F4	Update Account Process
1.1.5	F5	Upload and update their work experience
1.1.6	F6	View and apply for requests from clients
1.1.6	F7	Update Status of ongoing project
1.1.9	F9	Generate invoice
1.2	Client Module	
1.2.1	F10	Account Creation Process
1.2.2	F11	Login Process
1.2.4	F12	Change Password Process
1.2.5	F13	Update Account Process
1.2.6	F14	Search for services
1.2.8	F16	Post for specific request
1.2.9	F17	Search and compare pricing of vendors
1.2.10	F18	View responses for vendors and give confirmation
1.2.13	F21	Leave Ratings and Feedback

1.2.14	**F22**	**Make Payments**
1.3	**Admin Module**	
1.3.1	**F23**	**Login Process**
1.3.3	**F25**	**Change Password Process**
1.3.6	**F28**	**Generating a report for uploaded tasks**
1.3.7	**F29**	**Remove accounts who violated rules**
1.3.9	**F31**	**Add Categories or update categories of services**

1.1 Vendor Module

- Vendor is the user of system who offers services to clients.
- He is also able to view the market prices of services.

Account Creation Process

- Meet Your Need System compels to create the account before using it. So, Meet Your Need System should provide the function which makes vendors create a new account.
- When vendor creates new account, the function demands four information described as below.

  1. Login information
  2. Contact Details
  3. Services Details

- The Login information
  The Login information consists of some items described as below.

  1. UserName
  2. Password
  3. First Name
  4. Last Name
  5. E-mail address
  6. User Type

  ➢ All items are compulsory demanded.

    ✓ The UserName should be unique. If the UserName correspond with not case-sensitive to other which is previously registered, the UserName should not be registered as an existing account.

- Password
  - ✓ The Password has constraints which makes the Password consists of more than or equal 8 and less than or equal 16 characteristics including characters described as below.

    1. Numeric figure (at least one)
    2. Capital alphabet (A-Z) (at least one)
    3. Small alphabet (a-z) (at least one)
    4. Special character (#, $, %, &, etc.) (at least one)

  - ✓ The Password is masked by dummy characters. The re-entering Password is demanded.
  - ✓ The Password must be encrypted in Meet your Need System.

- User Type

  The User Type falls into three categories described as below.

  1. Vendor
  2. Client
  3. Administrator

  4. The User Type defines also three types of users; "Vendor", "Client user", and "Administrator user".

  - ✓ In an Account Creation Process, the user can select Vendor.
  - ✓ No one could select The Administrator, because Administrator is implemented to Meet Your Need System in advance.

- Contact Details
- The Contact Detail consists of some items described as below.

  1. Permanent Address
  2. Contact Phone No
  3. Date Of Birth

- All items are compulsory demanded.

- Permanent Address
  - ✓ Permanent Address should be filled.
  - ✓ But only the state should be selected from options.

- Service Details
- The Service Detail consists of some items described as below.

1. Genre of service
2. Specific Services provided by the vendor
3. Skills

- All items are compulsory demanded.

- Permanent Address
  - ✓ Permanent Address should be filled.
  - ✓ But only the state should be selected from options.

Login Process

- Meet your Need System always compels user authentication before using itself except when a new account is successfully created.

- The user authentication demands UserName and Password. The UserName and the Password should be checked in three ways.

  - First, The UserName and the Password should be existed and correct.
    - ✓ If The UserName and the Password are not equal to what the user has registered, the user authentication cannot be provided.

  - Second, the User Type linked to the Username should be "Vendor".

- ✓ When the User Type is "Vendor", then user can be placed on “Vendor Home”.

- ➢ Finally, Username should be available.
  - ✓ The Administrator can decide whether the Username is available or suspended – Refer to the SRS of the Admin part.
  - ✓ If vendor is rejected, user authentication is not provided for system user.

- The Vendor account should alive for so long as the duration decided by Admin.

- Only when the three checks are successfully completed, Vendor can be placed on respected page.

- The “Vendor Home” provides some items described as below.

  1. A trigger to logout
  2. A trigger to update Account
  3. A trigger to Change Password
  4. A trigger to Search Services
  5. A trigger to Update Information
  6. A trigger to Browse existing Market price

Forgot Password Process

- When system user lost their Password, the recovery method should be provided by Meet Your Need system.

The recovery method is described as below.

- First, system user enters their Username for Meet Your Need system.

  - Next, Meet Your Need System demands the Email which has been registered since when the Account was created.

  - Only when the Answer is correct, vendor get the new password by E-mail which also has been registered since when the Account was created.

  - The new password is automatically generated by Meet Your Need System.
    - ✓ Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.

- As a consequence, The Vendor could get the vendor authentication using the new password.
  - Then, the vendor had better change the new password manually.

- If the Answer is not correct, otherwise, the correct Answer is demanded for user again.
  - In that case, Of course, vendor couldn't get the new password.

Change Password Process

- When vendor wants to change their Password, the measure should be provided by Meet Your Need System.

- Therefore, Meet Your Need System should provide the function which is available after getting the vendor authentication.

- The function demands the current password and the new password.

  - Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.

  - The current password and the new password are masked by using dummy characters.
  - The new password is demanded to enter twice to avoid a typing error.

- Only when the current password is correct, vendor could change their Password.

- When the current password is changed into new password, Meet Your Need System compels user authentication again.

Update Account Process

- Meet Your Need system should provide the function which makes the account updated for vendor.

- The information vendor could update is described below.

    1. Login information
    2. User information
    3. Service Information

- The Login information
  The updatable items as described below.

    1. First Name
    2. Last Name
    3. E-mail address

  - All items are compulsory demanded, but updating is optional.

- The User information
  The updatable items as described below.

    1. User Name
    2. User Phone No

3. E-mail address
4. Permanent address

- ➢ All items are compulsory demanded, but updating is optional.

- The Service information
  The updatable items as described below.

1. Genre
2. Services
3. Skills

- ➢ All items are compulsory demanded, but updating is optional.

1.1.6 Upload their work experience and projects

- Vendors can upload their work experience and different projects they have worked on
- They will also be able to update the details of these projects

1.1.7 Apply to Request from clients

- After client Posts their requirements, vendors can apply to the requests.

1.1.8 Update Status of ongoing projects

- While working on a project, vendors will have to maintain the current status on the project

1. Accepted: This means that the Vendor is currently available to take on new projects or assignments.
2. In Progress: This status indicates that the Vendor is currently working on the project or assignment.
3. On Hold: If a project needs to be put on hold for various reasons, such as changes in the client's requirements, the Vendor may mark the status as "on hold."
4. Submitted for Review: This status indicates that the Vendor has completed the work and submitted it for review by the client.

5. Revisions in Progress: If the client requests revisions to the work, the Vendor may mark the status as "revisions in progress" while they are making the requested changes.
6. Completed: When the Vendor has completed the work, and the client has approved it, the status may be marked as "completed."
7. Pending Payment: If the client has not yet paid for the work, the status may be marked as "pending payment" until the payment is received.
8. Cancelled: If the project or assignment is no longer needed or viable, it may be cancelled, and the Vendor may mark the status as "cancelled."

1.1.9 Generate Invoice

- After Completion the vendor will generate the invoice and send it to client.

1.2 Client Module

1.2.1 Account Creation Process

- Meet-Your-Need System compels to create the account before using it. So, Meet-Your-Need System should provide the function which makes farmer creates new account.

- When client creates new account, the function demands four information described as below.

  1. Login information
  2. Contact Details
  3. Security Question Information
  4. Payment information.

- The Login information
  The Login information consists of some items described as below.

  5. Username
  6. Password
  7. First Name
  8. Last Name
  9. E-mail address
  10. User Type

  - All items are compulsory demanded.

  - Username
    - ✓ The Username should be unique. If the Username correspond with not case-sensitive to other which is previously registered, the Username should not be registered as an account.

  - Password

- ✓ The Password has constraints which makes the Password consists of more than or equal 8 and less than or equal 16 characteristics including characters described as below.

    1.Numeric figure (at least one)
    2.Capital alphabet (A-Z) (at least one)
    3.Small alphabet (a-z) (at least one)
    4.Special character (#, $, %, &, etc.) (at least one)

- ✓ The Password is masked by dummy characters. The re-entering Password is demanded.
- ✓ The Password must be encrypted in Meet-Your-Need System.

➢ User Type
The User Type falls into three categories described as below.

5. Vendor
6. Client
7. Administrator

8. The User Type defines also three types of users; "Vendor”, "Client user", and "Administrator user”.

- ✓ In an Account Creation Process, the user can select Client.
- ✓ No one could select The Administrator, because Administrator is implemented to Meet Your Need System in advance.

- Contact Details
- The Contact Detail consists of some items described as below.

    1.Permanent Address
    2.Contact Phone No
    3.Date Of Birth

➢ All items are compulsory demanded.

- Permanent Address
  - ✓ Permanent Address should be filled.
  - ✓ But only the state should be selected from options.

1.2.2 Login Process

- Meet-Your-Need System always compels Client authentication before using itself except when a new account is successfully created.

- The user authentication demands Username and Password. The Username and the Password should be checked in three ways.

  - First, The Username and the Password should be existed and correct.
    - ✓ If The Username and the Password are not equal to what the user has registered, the user authentication cannot be provided.

  - Second, the User Type linked to the Username should be "client".
    - ✓ When the User Type is " client ", user can be placed on “client Home”.

  - Finally, Username should be available.
    - ✓ The Administrator can decide whether the Username is available or suspended – Refer to the SRS of the Admin part.
    - ✓ If user is rejected, user authentication is not provided for Client.

- The Client account should alive for so long as the duration decided by Admin.

- Only when the three checks are successfully completed, Client can be placed on respected page.

- The “Client Home” provides some items described as below.

  1. A trigger to logout
  2. A trigger to update Account
  3. A trigger to Change Password
  4. A trigger to Search service
  5. A trigger to Publish Requirement

6. A trigger to Update requirement Information
7. A trigger to Delete requirement

1.2.3 Forgot Password Process

- When Client lost their Password, the recovery method should be provided by Meet-Your-Need system.
  The recovery method is described as below.

  - ➢ First, Client enters their Username for Meet-Your-Need System.

  - ➢ Next, Meet-Your-Need System demands the Email and date of birth which has been registered since when the Account was created.

  - ➢ Only when both the Answer is correct, Client get the new password by E-mail which also has been registered since when the Account was created.

  - ➢ The new password is automatically generated by Meet-Your-Need System.
    - ✓ Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.

- As a consequence, The Client could get the user authentication using the new password.
  - ➢ Then, the Client had better change the new password manually.

- If the Answer is not correct, otherwise, the correct Answer is demanded for Client again.
    - In that case, Of course, Client couldn’t get the new password.

1.2.4 Change Password Process

- When Client wants to change their Password, the measure should be provided by Meet-Your-Need System.

- Therefore, Meet-Your-Need System should provide the function which is available after getting the Client authentication.

- The function demands the current password and the new password.

    - Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
    - The current password and the new password are masked by using dummy characters.
    - The new password is demanded to enter twice to avoid a typing error.

- Only when the current password is correct, Client could change their Password.

- When the current password is changed into new password, Meet-Your-Need System compels Client authentication again.

1.2.5 Update Account Process

- Meet-Your-Need System should provide the function which makes the account updated for Client.

- The information Client could update is described below.

1. Login information
2. User information

- The Login information

  The updatable items as described below.

4. First Name
5. Last Name
6. E-mail address

➢ All items are compulsory demanded, but updating is optional.

- The User information

  The updatable items as described below.

7. User Name
8. User Phone No
9. E-mail address
10. Permanent address

➢ All items are compulsory demanded, but updating is optional.

1.2.6 Search Services

• Search conditions are described as below.

1. Services category
2. Price range

• As the result of searching Requirements, Client could see the list of services which are available.

1. Category Name

2. Vendor’s Portfolio

4. Service charges by vendors

1.2.7 Post For Specific Request

- To post a specific request for a project

1. Create a clear and detailed job description
2. Set budget for the project
3. Choose a service what is needed
4. Review applications from vendors portfolio

2.2.8 Search and Compare Pricing of Vendors

• To Search and compare features that allow clients to find and compare the pricing of vendors. Here are some general steps:

1. Use search feature to find vendors who match project requirements.
2. Compare Pricing to find best fit for budget.
3. Look at vendor’s portfolio and ratings.

2.2.9 View Responses for Vendors and Give Confirmation

• When working with vendors, there are several steps of viewing responses and giving confirmation.

1. Receive Responses: After job listing, vendors can respond with proposals.

2. Review Proposals: After receiving some proposals, client has to review vendors who are the best fir for the project.
3. Contact Vendors: Once client has identified some vendors that they are interested in working with vendors, client should contact them to discuss the project in more detail. This may involve asking questions, negotiating pricing, or clarifying requirements
4. Give Confirmation : Once client has selected a vendor, client should give them confirmation that they have been awarded the project.
5. Release payment - Finally, once the vendor has completed the project to client's satisfaction, client should release payment on the meet your need website.

2.2.10 Leave Ratings and Feedback

• Here is a general overview of how to leave ratings and feedback in the client module.

1. Log in to your account.

2. Find the project page for the job that the vendor completed for client.

3. Leave ratings - On the project page, client can see a section where client can leave ratings for the vendor. This may involve giving a rating on a scale of 1-5 stars for factors like communication, quality of work, and professionalism.

4. Leave feedback - In addition to leaving ratings, client should also leave detailed feedback for the vendor. This feedback form should explain what client liked about the vendor's work, any areas for improvement, and any specific examples of good or bad behaviour during the project.

5. Submit review - Once client has filled out the ratings and feedback, client can submit review form. This will typically be visible to other clients who are considering working with the same vendor.

2.2.11 Make Payments

General overview of how payments work:

1. Create a dummy payment.
2. Project completion.
3. Dummy Payment Receipt.

5.2Admin Module

- Administrator should be responsible for following activities,

5.2.1 Login Process

- Meet-Your-Need System always compels user authentication before using itself except when a new account is successfully created.

- The user authentication demands Username and Password. The Username and the Password should be checked in three ways.

  - ➢ First, The Username and the Password should be existed and correct.
    - ✓ If The Username and the Password are not equal to what the admin has registered, the Admin authentication cannot be provided.

  - ➢ Second, the User Type linked to the Username should be "Admin".
    - ✓ When the User Type is "Admin", user can be placed on “Admin Home”.

  - ➢ Finally, Username should be available.
    - ✓ The Administrator can decide whether the Username is available or suspended – Refer to t
    - ✓ .0he SRS of the Admin part.
    - ✓ If user is rejected, user authentication is not provided for system user.

- The Admin account should alive for so long as the duration decided by Admin.

- Only when the three checks are successfully completed, Admin can be placed on respected page.

- The “Admin Home” provides the some items described as below.

7. A trigger to logout
8. A trigger to update Account
9. A trigger to Change Password
10. A trigger to Search Product
11. A trigger to Publish Product for sale

12. A trigger to Update Product Information
13. A trigger to Delete Product
14. A trigger to Browse existing Market price

5.2.2 Change Password Process

- When Admin wants to change his Password, the measure should be provided by Meet-Your-Need System.

- Therefore, Meet-Your-Need System should provide the function which is available after getting the Admin authentication.

- The function demands the current password and the new password.

    - Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
    - The current password and the new password are masked by using dummy characters.
    - The new password is demanded to enter twice to avoid a typing error.

- Only when the current password is correct, Admin could change his Password.

- When the current password is changed into new password, Meet-Your-Need System compels user authentication again.

5.2.3 Generating A Report for Uploaded Tasks

1. Login into admin module
2. Navigate to the report generation section.
3. Select the report type
4. Filter the results.
5. Generate the report.

5.2.4 Remove Accounts Who Violated Rules

- Admin should able to manage all the accounts with following activities,

1. Enable accounts
2. Disable accounts

Some steps to follow to remove such an account :

- Identify the violation .
- Review the terms of service.
- Contact the User.
- Disable the account.

- Notify the user of removal.

5.2.5 Add Categories or Update Categories of Services

By adding a new category of services, the admin of the freelancing website can help to organize and categorize the available services on the platform. This can help clients to find the services they need more easily, and can also help freelancers to list their services in the appropriate category for maximum visibility.

Here is a general overview of how to add a new category:

1. Log in to the admin module.

2. Select "Add Category" - Once admin is in the category management section, select the "Add Category" button or link to create a new category.

3. Enter category details - In the "Add Category" form, you will need to enter details about the new category. This may include the name of the category, a brief description, and any subcategories that should be included.

Some common categories which are already included:

- Video Editing
- Digital Marketing
- Graphic Designing
- Web Designer
- Web Developer
- Software Developer
- Mobile App Developer
- Logo Designer

4. Save changes - Once admin has made any necessary changes to the services on the platform to include the new category, be sure to save changes.

2.5 Use Case Diagram

Admin:

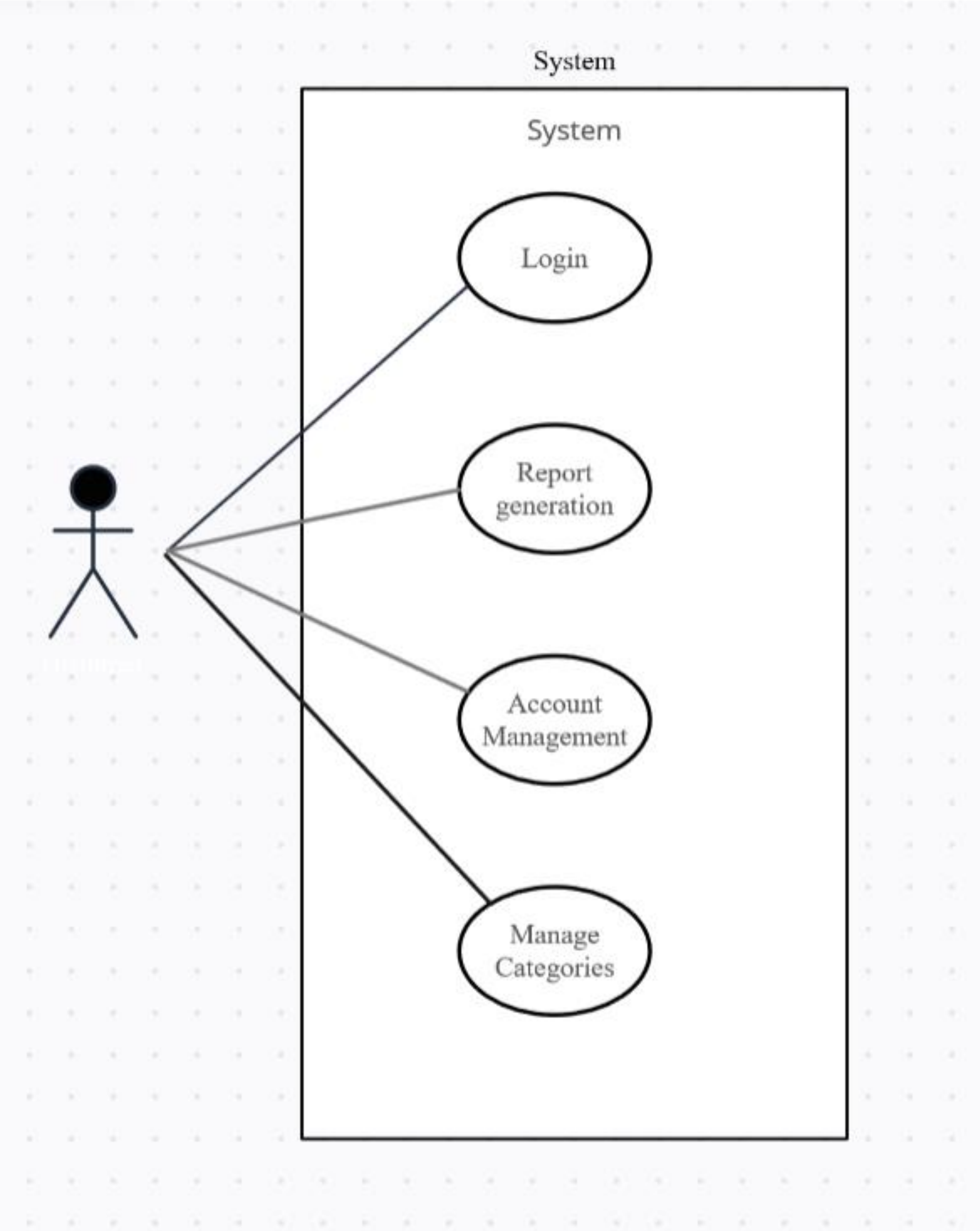

Fig. Use case diagram for admin

1. In Admin use case diagram Admin is the Actor.
2. Admin can handle following use cases:
   a. Login
   b. Report Generation
   c. Account Management
   d. Manage Categories

Vendor:

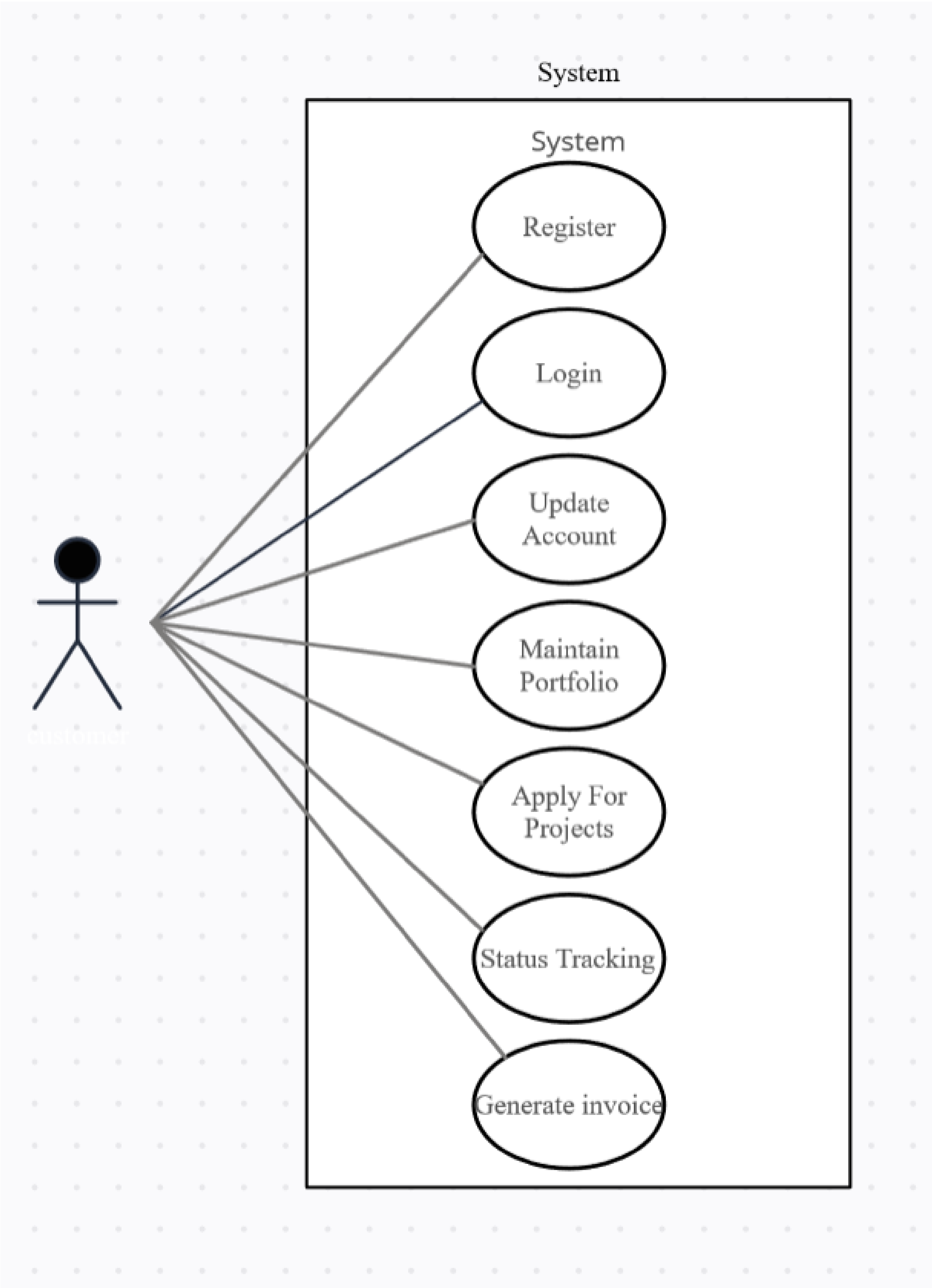

Fig. Use case diagram for Vendor

1. In Vendor use case diagram Vendor is the Actor.
2. Vendor can handle following use cases:
    a. Register
    b. Login
    c. Update Account
    d. Maintain Portfolio
    e. Apply For Projects
    f. Manage Status
    g. Generate Invoice

Client:

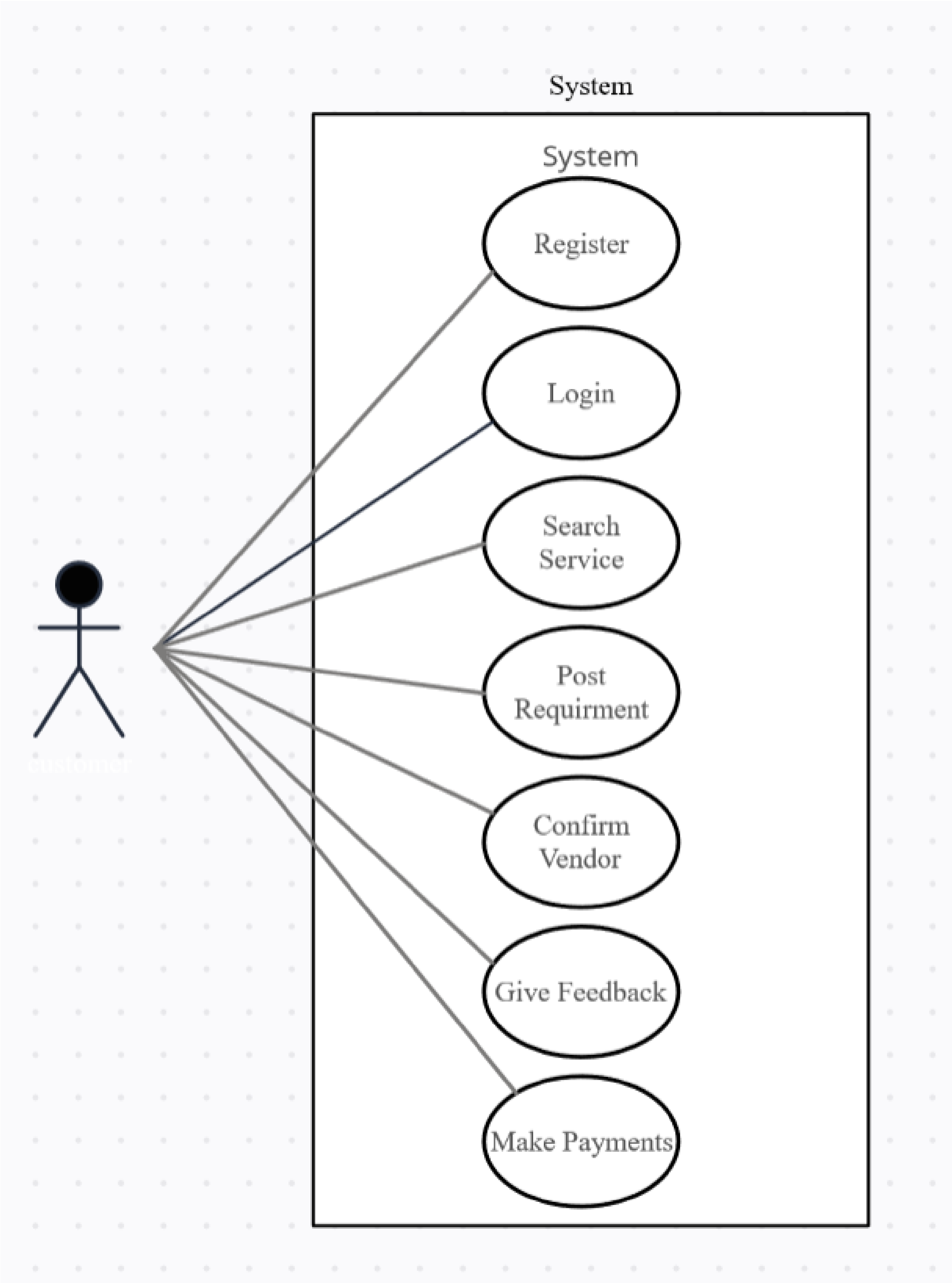

Fig. Use case diagram for Client

1. In Client use case diagram Client is the Actor.
2. Client can handle following use cases:
    a. Register
    b. Login
    c. Search Services
    d. Post Requirement
    e. Confirm Vendor
    f. Give Feedback
    g. Make Payment