## horizontal line



Requirements for Fiverr:

an online service providing app

Mar 8, 2024

**─**

Muhammad Saad Suleman

FA21-BCS-053

SP23-BCS-C

Comsats University Islamabad Lahore, Lahore.

# Functional Requirements

## User Registration and Profile Management:

* 1. Users should be able to register an account.
  2. Users should be able to log in to their accounts securely.
  3. Users should be able to edit their profiles, including personal information, payment methods, and preferences.

## Service Listings:

* 1. Service providers should be able to create listings for the services they offer.
  2. Listings should include details such as service description, price, delivery time, and any additional options.
  3. Users should be able to search for services based on various criteria like category, price range, and ratings.

## Order Management:

* 1. Users should be able to place orders for services they wish to purchase.
  2. Service providers should receive notifications of new orders.
  3. Users should be able to communicate with service providers through the app regarding order details and progress.

## Payment Processing:

* 1. Users should be able to make payments securely within the app.
  2. Payment processing should support multiple payment methods (e.g., credit/debit cards, NayaPay, Sadapay, Easypaisa and JazzCash etc.).
  3. Service providers should receive payments for completed orders after deducting any applicable fees.

## Feedback and Ratings:

* 1. Users should be able to leave feedback and ratings for services they have purchased.
  2. Service providers should have a rating based on their performance and customer satisfaction.

## Notifications:

* 1. Users should receive notifications for important events such as order updates, messages from service providers, etc.

# Model(s)

To develop a system like Fiverr considering that it is being produced in Pakistan, either Agile Model or Iterative Model will be an optimal option.

## Agile Model

* 1. Pros
     + Flexibility: Agile allows for iterative development, enabling frequent feedback and adaptation to changing requirements, which is beneficial for a dynamic platform like Fiverr.
     + Client Involvement: Clients can actively participate throughout the development process, providing feedback and prioritizing features, which aligns well with the collaborative nature of Fiverr.
     + Quick Delivery: Incremental releases ensure that functional components are delivered rapidly, allowing for early market feedback and quicker time-to-market.
  2. Cons
     + Requires Experienced Team: Agile relies heavily on the expertise and collaboration of team members, so inexperienced teams may struggle to implement it effectively.
     + Continuous Involvement: Agile requires constant communication and collaboration, which may be challenging if stakeholders are not readily available or engaged.

1. **Iterative Model**
   1. Pros:
      * Incremental Development: Similar to Agile, the iterative model allows for incremental development and frequent releases, facilitating early feedback and adaptation.
      * Risk Management: By breaking the project into smaller iterations, risks can be identified and addressed early, reducing the overall project risk.
      * Client Feedback: Clients can review each iteration and provide feedback, ensuring that the final product meets their expectations.
   2. Cons:
      * Less Flexibility: While iterative development offers some flexibility, it may not be as adaptable to changing requirements as Agile.
      * Longer Timeframes: Each iteration adds to the overall development time, so the iterative model may not be suitable for projects with strict deadlines.