

Experiment No 1

Aim: Prepare detailed statement of problem for the allotted mini project and identify the suitable process module for the same with justification.

Title: Shaggy Food Ordering App

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Problem Statement:

The Shaggy Food Ordering App is Food Ordering App which sets up a food menu online and customers can easily place the order as per they like. Also, the online customers can easily track their orders. The management maintains customer's database, and improve food delivery service.

Restaurants can register themselves on Shaggy Food Ordering for better business prospects which will help them to expand their business online by using the App. This will also create an ease among customers who wish to order food online and save their time instead of waiting for the order.

This App also provides a feedback system in which user can rate the food items. Also, this App can recommend restaurants, food based on the ratings given by the user, the restaurant staff will be informed for the improvements along with the quality. The payment can be made online or cash or pay-on-delivery system. For more secured ordering separate accounts are maintained for each user by providing them an ID and a password.

Technology Used:

- HTML 5
- CSS 3
- Bootstrap 4
- Javascript, JQuery
- Django Framework
- Google Maps API
- Instamojo Payment Gateway
- Database – SQLite

Process Model: Agile Software Process Model

Justification:

Agile methodology is a best practice for our Project that helps continuous iteration of development and testing in the software development process. In this model, development and testing activities are concurrent, unlike the Waterfall model. This process allows more communication between customers, developers, managers, and testers.

- It is focused on client process. So, it makes sure that the client is continuously involved during every stage while other models don't involve much as compared to agile model once project is initiated.
- Agile teams are extremely motivated and self-organized so it is likely to provide a better result from the development projects.
- Agile software development method assures that quality of the development is maintained
- The process is completely based on the incremental progress. Therefore, the client and team know exactly what is complete and what is not. This reduces risk in the development process.
- Agile model is much more flexible and reversible while other models are rigid.

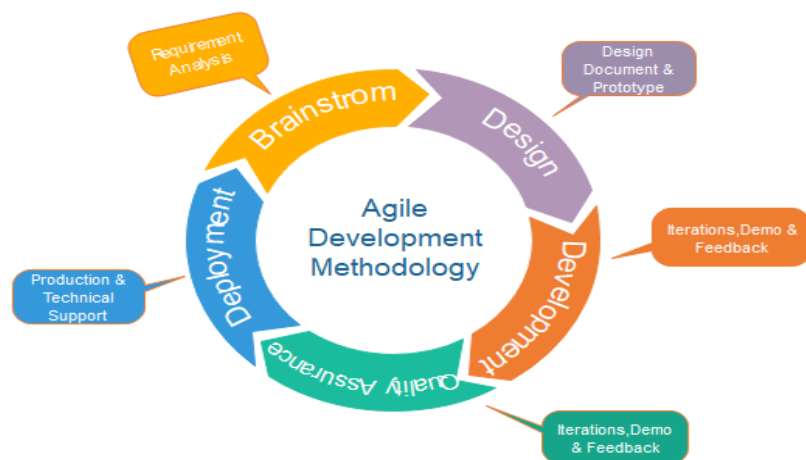


Fig. Agile Model