SWE201c

SE161790

Question 1:

I suggest the software development methodology for this situation is Agile development, because:

* Reliability: the requirements (needs) of customer are quite clear and high reliable.
* Types and number or requirements: the requirements contain both non-functional and functional requirements, the requirements are very clear and not vague. They know what user need, know the solution because they list 5 key features of the system and they also know types of user that may make the customer use for the application and website.
* Being based on customer tastes and needs is the key to producing commercially products. Developers can use feedback to create a future development roadmap.
  + To fix issues that pertain to in everyday lives, such as pest management, mechanical, electrical, and thermal problems, as well as plumbing-related issues.
  + When something goes wrong, people usually to make an appointment with a service provider. However, many issues can arise, such as the service provider being overwhelmed elsewhere or being absent from his office when they visit, or the service provider demanding high fees to fix the issue, which makes it unlikely that they will be able to make an appointment with the provider at the desired time.
* It consists of implementing a product with a minimum feature set, sufficient to satisfy the initial users: A start-up company desires to develop an application with more features to bring more convenience to customers.
* To conclude, because the system is defined in 5 key features, and developer based on customer tastes and needs is the key to producing commercially products. Developers use feedback to create a future development roadmap. The requirements of the system are complete, clearly define and easy to understand. So, the AGILE DEVELOPMENT is suitable for this situation for applying to this project. It helps build and prefect product steps by step base on the change(feedback) of the customer. Plus, it’s less costly to change requirements and easy to manage risk because the developers learning from the demands and direct feedback from customers creates the necessary preparation for risks.

Question 2:

* Comprehensive Management: This provides can control and monitor all parts or their home services from a single dashboard.
* Promotion Management: promotions in the form of ongoing discounts and deals are necessary for a marketing effort to be successful.
* Listing Management: It enables to maintain control over the service providers and listings on their home services app.
* Manage Discount and Promotions: to attract and keep clients.

Question 3:

* As a customer, I want to check my house services what are they doing, and are they really fixing, so that it help to customer like us can manage own house services.
* As a customer, I want to see what is the most prestige home services company and cheapest to rent, so that that we can avoid the high fees to fix the issues and can bargains on demand the services.

Question 4:

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| The Home Services application | | | | | | | |
| Login | Comprehensive Management | | Promotion Management | | Listing Management | | Manage Discount and Promotions |
| Login to the system | Input destination for search | View rout best rout to go to this destination | Check customer upcoming information | Reminder for each time duration | View recommendations  home services | | View detail discounts |
| Enter the username, password on the app | Using current location for quickly searching | List home services to go | List notification up to time | Remind for each hour, day | List all the home services that most user call | View rating | List tickets by airland or other home services. |
| Fast login by using phone number, gmail or another social media | Show information about home services | View total time to get this home services | Show detail of the information | Turn on or off reminders | View number of visitors | Sort by rating | Search discounts by brand, by time purchase |
| Scan QR code to login | Show rating star about this home services | Feedback for wrong home services |  |  |  |  | Feedback to discount brand |

Question 5:

1. I will not agree with requirement that using SPIRAL METHODOLOGY because It’s based on customer tastes and needs is the key to producing commercially products. Developers use feedback to create a future development roadmap. If we use SPIRAL METHODOLOGY the application will less flexibility, limited scope of adjustment, difficult to measure development in each stage and the model is not suitable for long, ongoing projects, or complex projects, with many changes in requirements in the development life cycle. Otherwise, if we use AGILE DEVELOPMENT, it will helps build and perfect product steps step by step base on the change of the customer. Plus, it’s less costly to change requirements and easy to manage risk because the developers learning from the demands and direct feedback from customers creates the necessary preparation for risks.
2. I suggest Black box testing for this project because in this project, we have functional requirement and non-functional requirement is clear; It helps testing process is easier and soon to prepare if not suitable for the needs of user.