PA0-PROJECT PROPOSAL

Introduction to Software Engineering – 19CLC5

Instructors:
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Students:
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I.   Information

Class: 19CLC5
Group name: BTree

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Group meeting detail

- Date: 28/05/2021
- Time: 20h30 – 22h00
- Online meeting on Google Meet
- The project focuses on mobile application. We use Android Studio (Kotlin) for coding.

Picture of meeting

II. Description of our project

1. Introduction

BeeKey connects clients and lancers offering programming services. We provide clients and lancers with a market where they can take advantage concurrently. More clearly, clients can find lancers who help build products with an ideal price, meanwhile, lancers are provided with potential programming projects to work on and gain decent income.

2. Target users and environments

Target users: Those who have projects needed to be built by programming (e.g business website)

Environment: Mobile phones running Android 7 - Android 11. (Kotlin)

Approximate storage: 500MB or higher

Approximate RAM: 2GB or higher

Permission: Internet (Wifi), Storage accessibility (File, Image, Video), Camera, etc.

Database: SQLite3

Server: Can use ngrok to simulate or Raspberry Pi with NAT. (NodeJS)

3. Key features

1. Account type:
   ○ Admin: Manage Post/Client/Lancer

- ○ Client: Post project
- ○ Lancer: Take and solve the request from client
2. Feature:
    1. Post request: Upload your request on the newsfeed.
    2. Deadline: Set a deadline to projects so that the BeeLancers can follow.
    3. Counter-Offer: Clients and lancers can bargain for a task
    4. Accept/Decline the counter-offer
    5. (Re)Submit solution: After lancers have done the project, they can submit their solution to the client.
    6. Chatting: The lancer and client can chat on the application to make the problem clearer.
    7. Preview solution: After lancers submit the solution, the client can view that solution.
    8. Report: If the deadline dues, clients are still not satisfied with the solution, they can report to the admin to handle.
    9. Feedback: After the job is done, you can write reviews about BeeLancers. They also can write reviews about you.
    10. Capture document & upload file: Upload your projects.
    11. Banking: Use virtual coin.
    12. Category: Programming, Testing, Robotics, etc.
    13. Rating: Rate lancers on the number of projects they well-done.
    14. Login: Login with username and password.
    15. Signup: Fill-in information to sign up.
    16. Show information
    17. Change password
    18. Edit information