Project Submission Report- Faris

1. Task Title
Fixing minute mistakes, status updates of payment in appointments, Payments.

2. Approach / Methodology
My task given today was to integrate payment gateway in my application and also integrate UPI payment method, I referred Razor pay documents, Paytm documents, PhonePe documents , YouTube, Ai and also seeked guidance from my mentor.
I integrated payment section and the amount is stored in database(as paise), Also added payment status in appointment page and also in my DB.

3. Difficulties Faced
Referring all these documents (RazorPay, PhonePe, Paytm) and referring YouTube was time consuming and also faced my challenges to create account in Razor Pay as it was asking real documents and also asked payments for the real use of their app, In Paytm the Api key was not generated and there was a popup like something went wrong try after sometime, I guess it was a error from their side. With phone pay we should create account with real bank account number, so lack of documents was there and I could not complete the login.
Understanding and implementing the payment connection code was challenging.

4. Solutions
Referring all these developer documents from UPI apps**.**
Found out some dummy card numbers for developer with OTP.
Splitted the large codes into small blocks and noticed what was going through.

5. Learning & Takeaways
Learn to integrate payment and some API integration.
Finding solutions from complex code by splitting into minute parts.
Learned the working of the payment and understood the flow of the code

6. Self-Reflection

I could have spent more time understanding API workflows before starting implementation.
Balancing study and coding continue to be difficult, so I need better time management.
Preparing small test cases for external APIs before direct integration would save time.
I'm still learning many things, being in the office would give me better support and exposure and guidance from your support would be appreciated.

7. Overall Summary

Today, I fixed the payment gateway(Razorpay) and tried implementing new gateways and failed due to lack of docs. Having someone to guide me closely would be very helpful, as I am a fresher and working on backend development for the first time.