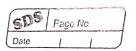
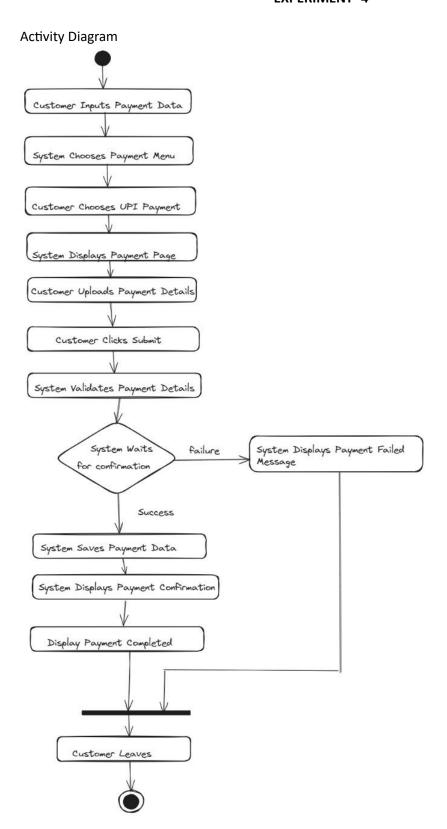
SDS | Fage No. Doftware Engineering Name & Bretsha A. Patel Saipid & 60004210126 Branch + Computer Engineering DN-C2, Batch + 1 Experiment no. 4 Aim & Develop Activity pingram and DFD (up to 2 levels) for the Theory & Activity Diagram + i Customer initiates Payment: The customer briggers the process by requesting a payment within the mobile application. This involves a to delecting a biller of entering the payment amount 2: System Displays Payment confirmation - The mobile application displays a ronfirmatives screen summarizing the Payment details 3. Customer confirms Payment: The customer nexifies the Payment details of confixms they want to proceed with the transaction 1. system initiates UPI Request + The mobile application initiates a UPI request to the rustomer's UPI app on their smartphone-It includes the payment information. 5, Gustomer Authorizes Payment & The customer receives a most notification from their upl app proporting them to authorize the payment. This typically involves entering their UPI PIN or wing fingerpoint recognition 6. Conditional Branch + · Success of the customet authorises The Payment Through the UPI app, the process proceeds to step 8. - failure + of the customer carrels on there's an issue with is I authorization, the process morres to step 10. (Payment F. System waits for Response or It waits for a response from the customer's UPI app regarding the payment outhorization.



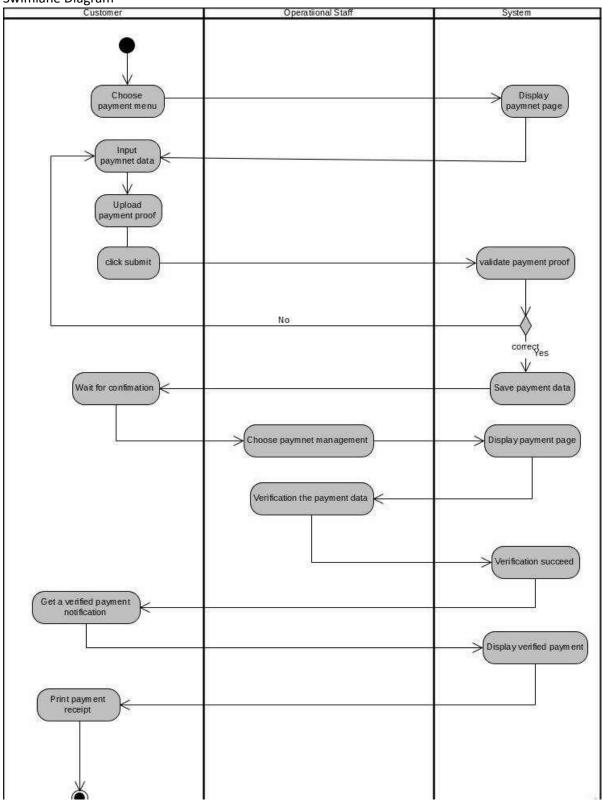
Analyzing both the activity of DFD for the UPI payment process securals a clear sequence of steps. The DFD provides a high-lend priexisely of data flow between the user, the mobile app, and external extitus like the UPI copp of Payment sexuice Provider CPSP2. The activity diagram delius desper, illustrating the war's interactive with the mobile app, confimation steps, UPI authorization, and the system's communication with the PSP for processing of final status updates. Together these diagrams office a comprehensive undirectanding of the UPI payment forward, from what initiation to final payment confirmation or notification

Name: Preksha Patel SAPID: 60004210126 Div/Batch: C21

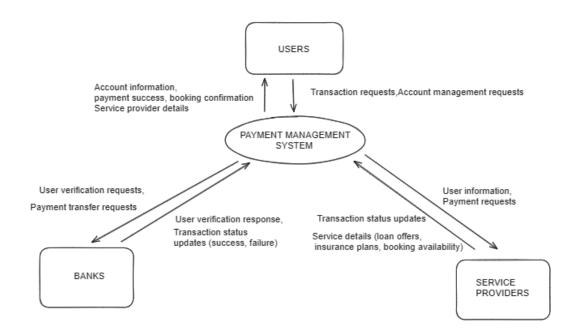
SOFTWARE ENGINEERING EXPERIMENT -4



Swimlane Diagram



DFD Diagram (Level 0)



DFD Diagram (Level 1)

