Experiment 4 Shah Shah
60004220126
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- The all stores there would also to the
Aim: Develop Activity a Diagram and DFD (up to 2 levels)
for the Prôject -
Col diale Bring
Theory, The UML Activity Diagram
Steps (Steps)
O User login
O O Con registerator
(3) Post content
(Check for legitemacy of post- by admir
6 Admin approves or deletes the past.
6 The editor can afficially add a post.
DEventually we have the new post.
1 Now we have the recommender System.
(a) Along with that geologation feeture.
(10) we can like/deslize posts
(1) comment jor due same.
(12) Stop.
In this the Swim lanes are barreally the
-> USen
> Post (an be added separately)
-> The DFD UML diayram
FOR EDUCATIONAL USE

	The level O I was I Was a
4 - 2.	The level O diagram tells us
	Des add weatron preferences (2) Coreate posts on the platform
	(2) Create posts on the playform (3) The databore admin will verify the databor.
	@ Eventally over gets 10 cation specific recommendations
	The specific reconstruction of the
	The level 1 drayram tels-
	O user login and authentication
	D Ver post information
	(B) Verify for appropriate posts or delete trem
	(Verify and appeare news and post tem
$- \parallel$	(5) we fetch news from API and provide it to user
$-\parallel$	based on recommedation
	Data collector via MI/modu to helpin date
	analysis. In the state of the
	Day on the search of the search
	and the same of th
	Conclusion- Hence we down the DFD and activity
	diagram for our cose study
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Software Engineering

Experiment-4

Div: B
Team Members:

Batch: C22

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AIM: Develop Activity diagram and DFD (up to 2 levels) for the project.

THEORY:

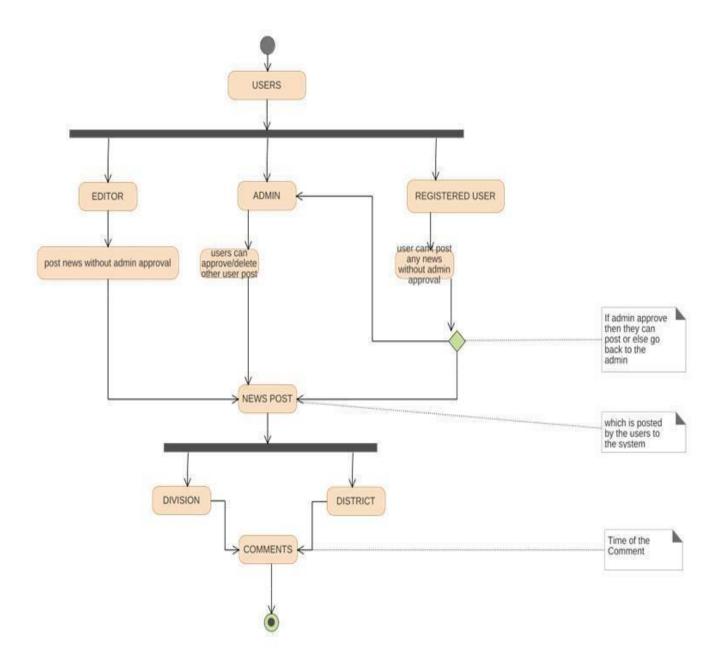
Activity Diagram:

A UML activity diagram depicts the dynamic behavior of a system or part of a system through the flow of control between actions that the system performs. It is similar to a flowchart except that an activity diagram can show concurrent flows. The main component of an activity diagram is an action node, represented by a rounded rectangle, which corresponds to a task performed by the software system. Arrows from one action node to another indicate the flow of control. That is, an arrow between two action nodes means that after the first action is complete the second action begins. A solid black dot forms the initial node that indicates the starting point of the activity. A black dot surrounded by a black circle is the final node indicating the end of the activity. A fork represents the separation of activities into two or more concurrent activities. It is drawn as a horizontal black bar with one arrow pointing to it and two or more arrows pointing out from it. Each outgoing arrow represents a flow of control that can be executed concurrently with the flows corresponding to the other outgoing arrows. These concurrent activities can be performed on a computer using different threads or even using different computers.

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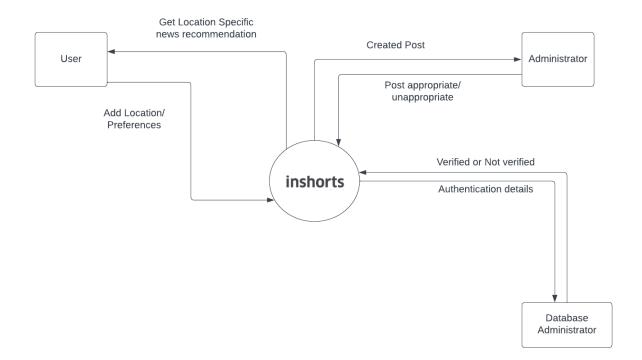




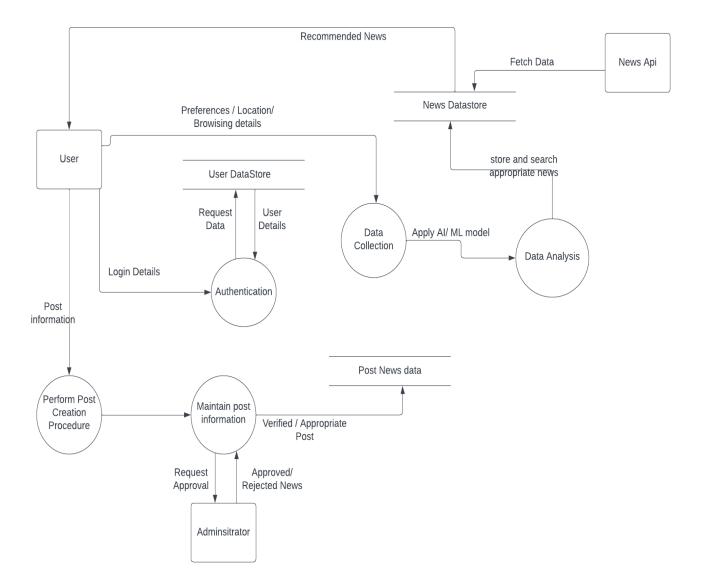
Data Flow Diagrams:

The data flow diagram enables you to develop models of the information domain and functional domain. As the DFD is refined into greater levels of detail, you perform an implicit functional decomposition of the system. At the same time, the DFD refinement results in a corresponding refinement of data as it moves through the processes that embody the application.

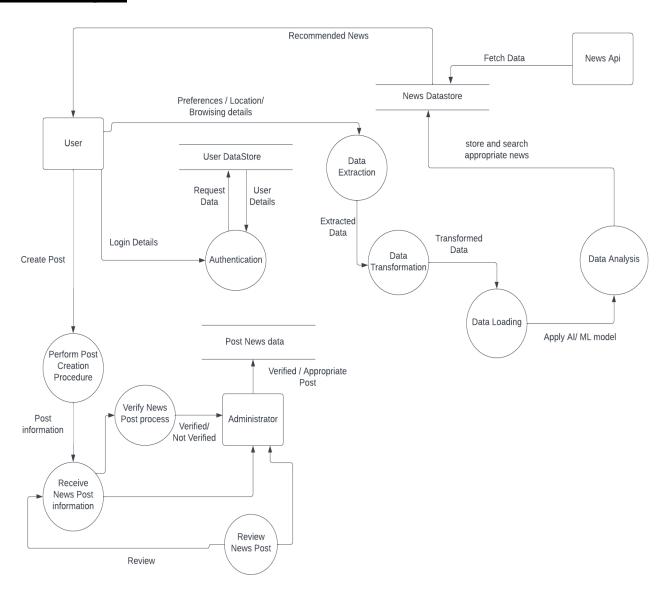
DFD Level 0 Diagram



DFD Level 1 Diagram



DFD Level 2 Diagram



CONCLUSION:

Thus, we are able to draw Activity and Swim lane diagram for our case study. We are also able to depict the flow of data through various processes through different level DFDs.