J ARJUN ADITYAN

CB.SC.I5DAS21015

DAS – A

App Name: Instagram

DESCRIPTION:

It is basically a social media platform which enables its users to share their photos and videos and also interact with posts of people they follow.

|  |  |
| --- | --- |
| operations | Additional\_info |
| add | Insert into table\_name |
| delete | delete |
| search | select |
| display | select |

Form names and description:

|  |  |  |  |
| --- | --- | --- | --- |
| name | type | Table related information | operations |
| category | Master form | User\_category | Delete, search, display, add |
| user | transaction | User table |  |

Reports:

Few possible reports,

1. Calculating the increment/decrement in the users.

2. Finding the most preferred kind of account – public or private

3. Calculating the count of verified accounts and newly added verified accounts.

Tables:

User table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Mobile no | User id | Account id | dob | gender |
|  |  |  |  |  |

Master table 1: Account

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Account id | Username | Account type | password | Created on | Account status | verification | permissions |
|  |  |  |  |  |  |  |  |

Transaction table 1: Devices

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Logged in device id | Device name | location | Time of login | Activity status | Account id |
|  |  |  |  |  |  |

Master table2:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Username | Name | bio | followers | following | posts | Tagged posts id |
|  |  |  |  |  |  |  |

Transaction table: 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tagged post id | Posted username | Other tagged accounts | Posted Date | Likes | Comments |
|  |  |  |  |  |  |

Master table 3:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Content id | Content type | Description | Location | Music | Hashtags | Creator Username | Tagged accounts |
|  |  |  |  |  |  |  |  |

Transaction table 3:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Content id | Likes | Shares | Saves | Commented Username | Comment | Posted date |
|  |  |  |  |  |  |  |

Master table 4: Story details

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Story id | Story mode | Pic/video id | text | music | location | Hashtags | Mentions | Links |
|  |  |  |  |  |  |  |  |  |

Transaction table 4: Story responses

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Username | Story id | Likes | replies | views | shares | reports |
|  |  |  |  |  |  |  |

Transaction table 5: Activity

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Username | Searched accounts | Searched Hashtags | Visited links | Interacted content id | Interacted Story id | Average time spent |
|  |  |  |  |  |  |  |

Master table 5: Message

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Usename | Chat id | Messaged account id | Message type | Text content | Delivered Time |
|  |  |  |  |  |  |