**PROJECT DESIGN PHASE II**

**Data Flow Diagram & User Stories**

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| **Date** | **06 May 2023** |
| **Team ID** | **NM2023TMID001229** |
| **Project Name** | **Dissecting The Digital**  **Landscape: A Comprehensive**  **analysis of Social media** |

**Data Flow Diagram:**

A Data Flow Diagram (DFD) is a graphical representation of the flow of data within a system. It can be used to analyze and understand the data flow in various processes and systems. Here is an example of a DFD for dissecting the digital landscape and conducting a comprehensive analysis of social media:

**Explanation for Flow Diagram:**

1. **Digital Landscape**: This represents the overall digital environment, including social media platforms and other relevant digital sources.
2. **Social Media**: This component represents the social media platforms being analyzed.
3. **Analysis**: This component represents the analysis phase where data from social media platforms is processed and analyzed.
4. **Admin/ User**: This component represents an administrative user who has additional privileges and responsibilities compared to regular users.
5. **Data Sources & Administration**: This component handles data sources management and administration tasks, including user authentication, access control, and data collection.
6. **Data Sources**: This sub-component represents the various sources of data for analysis, such as user profiles, posts, comments, likes, shares, etc.
7. **Data Mining**: This sub-component represents the process of extracting meaningful patterns, trends, and insights from the collected data.
8. **Data Storage**: This sub-component represents the storage of collected and processed data, such as databases or data warehouses.
9. **Data Analysis**: This sub-component represents the analysis of processed data to derive insights and draw conclusion.



**User Stories**

User Stories for the Dissecting The Digital Landscape: A Comprehensive analysis of Social media;

| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Team Member** |
| --- | --- | --- | --- | --- | --- | --- |
| Customer (Mobile user) | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | I can access my account / dashboard | High | Dinesh |
|  |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click confirm | High | Deepak |
|  |  | USN-3 | As a user, I can register for the application through Facebook | I can register & access the dashboard with Facebook Login | Low | Jeeva |
|  |  | USN-4 | As a user, I can register for the application through Gmail | All the information  about the website  are given in the  dashboard. | Medium | Harikrishnan |
|  | Login | USN-5 | As a user, I can log into the application by entering email & password | Once I get login it get enter into the website | High | Dinesh |
|  | Dashboard | USN-6 | By login I will get  into the website  dashboard | I can provide valuable insights to businesses and policymakers. | High | Jeeva |
| Marlketing Manager | Identification | USN-7 | As an admin user, I want to have the ability to manage data sources by connecting and integrating various social media platforms for data collection. | I can optimize my advertising campaigns. | High | Jeeva |
| Customer (Analyst) | Understanding | USN-8 | As an admin user, I want to be able to authenticate and securely log into the system to access the analysis tools and features | I can provide valuable insights to businesses and policymakers. | Medium | Harikrishnan |
| Social media influencer | Analyze | USN-9 | an admin user, I want to be able to configure and customize the data mining algorithms and techniques used for analyzing social media data. | I can better understand my audience and improve my content strategy. | Low | Deepak |
| Journalist | Investigate | USN-10 | As an admin user, I want to have the ability to perform in-depth data analysis, including sentiment analysis, trend identification, network analysis, and user behavior analysis. | I can contribute to the promotion of accurate and reliable | Medium | Dinesh |