**Project Planning Phase**

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| Date | 27.10.2023 |
| Team ID | Team- 590871 |
| Project Name | Owl-M : A Material Design Study App |
| Maximum Marks | 8 |

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| Entity/Process/Data Store | Description | Data Flow |
| User | Represents the user of the Owl application | User → User Login: |
| User Login | Process for users to log in to the Owl application | User Login → User Data: |
| Set Sleep Time | Process for users to set their desired sleep time | User Data → User Login: |
| Set Study Time | Process for users to set their desired study time | User Login → Generate Daily Schedule: |
| Set Eating Time | Process for users to set their desired eating time | Set Sleep Time → Daily Schedule: |
| Set Other Activities Time | Process for users to set their desired time for other activities | Set Study Time → Daily Schedule: |
| Generate Daily Schedule | Process for generating a daily schedule based on user input | Set Eating Time → Daily Schedule: |
| Track Daily Progress | Process for tracking the user's progress throughout the day | Set Other Activities Time → Daily Schedule: |
| View Historical Data | Process for viewing the user's historical data | Daily Schedule → Track Daily Progress: |
| User Data | Data store for storing user login credentials | Track Daily Progress → Historical Data: |
| Daily Schedule | Data store for storing the user's daily schedule | Historical Data → View Historical Data: |
| Historical Data | Data store for storing the user's historical data | View Historical Data → User: |