**Requirement Gathering and Analysis Phase**

**Technology Stack (Architecture & Stack)**

|  |  |
| --- | --- |
| Date | 06-07-2024 |
| Team ID | SWTID1719933836 |
| Project Name | Connectify |
| Maximum Marks |  |

**Table-1 : Components & Technologies:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component** | **Description** | **Technology** |
|  | User Interface | Web UI | HTML, CSS, Tailwind, JavaScript, ReactJS |
|  | Application Logic-1 | Business logic for user profiles, posts, and interactions | Node.js, Express.js |
|  | Database | Creating data models for users, posts, messages, etc and storing data | MongoDB (NoSQL) |
|  | Cloud Database | Database service on cloud | MongoDB Atlas |
|  | File Storage | File Storage Requirements | Vercel File Storage |
|  | External API - 1 | User Authentication | Google OAuth |
|  | Infrastructure (Server / Cloud) | Application Deployment on Local System/ Cloud | Vercel(Cloud), Github for Version Control |

**Table-2: Application Characteristics:**

| **S.No** | **Characteristics** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | Open-Source Frameworks | List the open-source technologies used | React, Tailwind, Node.js, Express.js, MongoDB |
|  | Security Implementations | List all the security/access controls implemented | JWT, OAuth, SHA-256 |
|  | Scalable Architecture | Justify the scalability of architecture | Microservices |
|  | Availability | Justify the availability of application | Vercel for deployment |

A diagram of a system architecture

Description automatically generated