# Requirement Analysis

## Technology Stack

| Date | 26 June 2025 |
|------|--------------|
| Team id | LTVIP2025TMID20321 |
| Project Name | Flight Finder |
| Maximum Marks | 2 Marks |

## TechnologyArchitecture:

| Component | Technology |
|-----------|------------|
| UI (Frontend) | React.js, CSS, Bootstrap |
| Backend Logic | Node.js, Express |
| Database | MongoDB (NoSQL) |
| Authentication | JWT + bcrypt |
| Cloud/Local | Node on local server or Heroku |
| File Storage | NA (optional if uploading docs) |
| External APIs | NA (Can integrate flight APIs later) |
| Server Infrastructure | Localhost 6001 / optional Vercel deploy |
| Open-Source Frameworks | React, Express, Mongoose |
| Security Implementation | JWT Auth, HTTPS, bcrypt |
| Performance Enhancements | MongoDB Indexing, lazy-loaded React components |
| Scalability | Modular code, microservice-ready |



Technical Architecture