

Context Objects and Requirement Sources

Campus Wellness Portal with Medical System and Fitness Center Integration

Version: 1.0

Date: 23/05/2025

Release By: TT6L - Group 3

*Table 1.1 Table of system context object*

| **System Context Object** | **Explanation** |
| --- | --- |
| Student | The student is the primary user of theplatform who schedules appointments, books fitness activities, tracks wellness goals, and accesses personalized health resources. |
| Health center | The health center is the facility providing clinical services It is integrated with the platform for appointment scheduling and health resource sharing. |
| Fitness center | The fitness center is the campus facility offering fitness classes, equipment, and wellness programs. It is connected to the platform for session bookings and activity tracking. |
| System administrator | The system administrator oversees and maintains the wellness portal’s functionality, access, and performance. |
| Health center staff | The health center staff manages appointments and updates medical resources. |
| Fitness center staff | The fitness center staff schedule classes and manage fitness resources. |
| Medical system | The medical system is an embedded system interface allowing students to view availability and book, reschedule, or cancel medical appointments. |
| Fitness center | The fitness center is an integrated booking interface for students to reserve fitness classes, personal training, or facility time slots. |

*Table 1.2 Table of sources of requirement*

| **System Context Object** | **Sources (Type)** | **Explanation** |
| --- | --- | --- |
| Student | University database (Document) | Details can be obtained in the university database. |
| Health center | Health center staff (Stakeholder) | Information about the health center is updated by university staff. |
| Fitness center | Fitness center staff (Stakeholder) | Information about the fitness center is updated by university staff. |
| System administrator | Administration procedures (Document) | The administration procedures store information about the system administrator. |
| Health center staff | Business Analyst from University (Stakeholder) | Detailed information of health center staff can be provided by business analysts from the university. |
| Fitness center staff | Business Analyst from University (Stakeholder) | Detailed information of health center staff can be provided by business analysts from the university. |
| Medical system | Technical help desk (Stakeholder) | The technical help desk is able to provide detailed information about the health center appointment. |
| Fitness center | Technical help desk (Stakeholder) | The technical help desk is able to provide detailed information about the fitness center scheduling. |

*Table 1.3 Table of development context object*

| **Development Context Object** | **Sources (Type)** | **Explanation** |
| --- | --- | --- |
| GitHub | GitHub online documentation (Document) | Used for source control, document collaboration and version tracking. |
| Microsoft Teams | Microsoft online documentation (Document) | Used for team communication, file sharing and meetings. |
| Software engineer | Corporate wiki (Document) | Specialist in discipline, able to give inside information about realistic solutions. Information can be sought on the company’s website. |
| Go live date | Project plan (Document) | Date of deployment of the system. |
| Project budget | Project plan (Document) | Budget such as time and assets, can be found in the project plan. |
| Project manager | Corporate wiki (Document) | To set processes and milestones. |
| Development framework (Flask) | Flask online documentation (Document) | Backend framework for building system functionality. |
| Frontend technology (React) | React online documentation (Document) | For designing responsive web interfaces. |
| Database system (SQL) | SQL online documentation (Document) | Stores user data, appointments, goals and class schedules. |
| University API documentation | University website (System) | Understanding integration points with health and fitness systems. Besides, provide credentials for the user authentication system. |
| Agile Model | Online documentation (Document) | A group of development processes that aim to adapt quickly to change requests and deliver software faster. |