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CSE6224 – Software Requirement Engineering

Campus Wellness Portal with

Medical System and Fitness Center

Integration Project – Part 1

Context Objects

Tutorial Section: TT6L

Group 4

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| --- | --- |
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# Subject Facet

|  |  |
| --- | --- |
| **Object** | **Source** |
| Student | Student User Group (Stakeholder) |
| Fitness classes | University Recreation Portal/Software (System) |
| University health centre | University Electronic Health Record System (System) |
| Campus recreation facilities | University Recreation Portal/Software API (System) |
| Health resources | University Health Portal (System) |

# Usage Facet

|  |  |
| --- | --- |
| **Object** | **Source** |
| Student wellness tracking goals | Student User Group (Stakeholder) |
| Fitness class booking process | University Recreation Portal/Software (System) |
| Health centre appointments | University Health Portal (System) |
| Interaction with Medical System | University Health Portal (System) |
| Interaction with Fitness Center | University Recreation Portal/Software (System) |
| Health data privacy laws | Health Insurance Portability and Accountability Act (HIPAA) (Document) |
| Personal health data aggregation process | University Health Portal (System) |
| User authentication and login process | Student User Group (Stakeholder), HIPAA (Document) |

# **IT System Facet**

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| --- | --- |
| **Object** | **Source(s)** |
| Campus Wellness Portal software | University Recreation Portal (Existing System), University Health Portal (Existing System) |
| Server | University IT Guidelines (Documents) |
| University cloud-infrastructure | University IT Guidelines (Documents) |

# Development Context

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| --- | --- |
| **Object** | **Source** |
| Budget | University Project Plan (Document) |
| Maximum development time | University Academic Calendar (Document) |
| Development Method | Scrum (AGILE method) (Document) |
| Testing Environment | University-provided test servers/cloud sandbox (System) |
| Development Tools & ID | Visual Studio Code (System), JetBrains (System) |
| Version Control System | GitHub Repository (System) |
| Continuous Integration/Deployment (CI/CD) | GitHub Actions, Jenkins (System) |
| Cloud Infrastructure | University-provided test servers/cloud sandbox (System) |
| Data Governance Policy Document | University Internal Policy Guidelines (Document) |
| Data Privacy | Health Insurance Portability and Accountability Act (HIPAA) (Document) |
| Authentication and Access Control | HIPAA (Document), Data Governance Policy (Document) |

# Requirements Engineering Context

|  |  |
| --- | --- |
| **Objects** | **Source** |
| Wellness platform integration | University Recreation Portal (Existing system), University Health Portal (Existing System) |
| Health management | University Health Portal (Existing System) |