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Department of Computer Science

COS 301 - Software Engineering

OnlyRugby
Architectural Requirements

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1 Introduction

This section deals with the software architecture requirements of ... This includes:

- The architectural scope.
- Quality requirements.
- The integration and access channel requirements.
- The architectural constraints.
- Architectural patterns and styles used.
- The architectural tactics and strategies used.
- The use of reference architectures and frameworks.
- Access and integration channels.
- Technologies used.

2 Architecture Requirements

2.1 Architectural Scope

The following responsibilities need to be addressed by the software architecture:

1.

2.2 Quality Requirements

The following quality requirements are in order of the most important to least important (can be changed).

2.2.1 Critical:

Usability

Scalability

2.2.2 Important:

Availability

Integrability

Maintainability

Testability

Monitorability and Auditability

2.2.3 Nice to have:

Security

Performance requirements

2.3 Architectural Constraints

The following architecture constraints have been imposed:

1. The system must be developed using the following technologies
   -

3 Architectural patterns or styles

4 Architectural tactics or strategies

5 Use of reference architectures and frameworks

6 Access and integration channels

6.1 Human access channels

6.2 System access channels

6.3 Integration Channel Used

6.4 Protocols

7 Technologies

7.1 Programming technologies

7.2 Web technologies