

Software Requirements Specification

for

EduLink – Tuition Media Website

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Revision History

Revision	Date	Author(s)	Description
1.0	11.09.2025	Fahmida Afrin	Chapter 1 - Introduction
2.0	10.12.2015		Explaining different sortings
3.0	05.01.2016		Kleine Änderungen
4.0	10.01.2016		Finale Version

Chapter 1

Introduction

1.1 Purpose

The purpose of this Software Requirements Specification (SRS) document is to describe in detail the requirements of EduLink, a web-based tuition media platform. EduLink is intended to provide a digital solution that connects Guardians (Parents) who are seeking reliable tutors for their children with Tutors who want to offer academic services. This document explains the functionality, features, constraints, and overall goals of the system to ensure that all stakeholders (developers, testers, project managers, and end-users) have a clear understanding of the software.

1.2 Intended Audience

This document is intended for:

- **Developers:** To implement the features described.
- **Testers/QA team:** To validate the requirements.
- **Project Managers:** To oversee development and ensure delivery.
- **End Users:** Guardians, Tutors, and Administrators.
- **Supervisors/Stakeholders:** To evaluate the project outcome.

1.3 Intended Use

EduLink will act as an online tuition marketplace:

- Guardians will use the system to create accounts, post tuition requirements, search for tutors, hire them, and provide feedback.
- Tutors will use the system to create professional profiles, browse tuition posts, apply for opportunities, and track their performance and earnings.
- Administrators will use the system to manage user accounts, verify tutor credentials, handle disputes, and generate system reports.

1.4 Product Scope

EduLink provides a reliable platform to connect students with qualified tutors. The main objectives are:

- **Personalized Learning Paths.** (Students get recommendations based on their learning history, preferences, and goals. Makes the platform adaptive and tailored)
- **Real-Time Communication Tools**(Built-in chat, video call, and scheduling features for seamless interaction between students and tutors)
- **Analytics Analytics and Insights** (Tutors can track student progress. Students can monitor their own improvement and performance trends)
- **Security and Privacy Compliance**
(Ensures student and tutor data is encrypted and stored securely.
GDPR/Local compliance if relevant..)
- **Scalable Platform Architecture** 1.Supports a growing number of users without performance issues.
- **Support and Helpdesk Features** 1.24/7 helpdesk or automated FAQ chatbot to improve user experience.
- **Multi-Platform Accessibility** 1.Accessible via web browsers, mobile apps (iOS , Android), ensuring learning on-the-go.

1.5 Risk Definition

Potential risks include:

- Fake tutor or guardian accounts.
- Payment disputes or gateway failures.
- System downtime or server issues.
- Data privacy and security breaches.

Chapter 2

Overall Description

2.1 User Classes and Characteristics

- **Administrators:** Experienced users managing the system, verifying tutors, and resolving conflicts.
- **Tutors:** Frequent users creating profiles, applying for tuitions, and maintaining schedules.
- **Guardians (Parents):** Occasional users posting requirements, hiring tutors, and tracking payments.

2.2 User Needs

- Guardians need a reliable platform where they can register, post tuition requirements, view tutor profiles, and shortlist suitable tutors.
- Tutors need a trusted system where they can register, browse tuition opportunities via a job board, filter relevant tuition postings, and apply securely.
- Admins need complete control to monitor all tuition postings, tutor applications, and shortlists. They must also handle communication between guardians and tutors, ensuring transparency, reliability, and fee collection.

2.3 Operating Environment

- Platform: Web-based application with responsive design for both desktop and mobile devices.
- Browsers: Compatible with Chrome, Firefox and Edge
- Backend: JavaScript with Node.js framework.
- Database: MongoDB for structured and flexible data storage.

2.4 Constraints

- Must provide role-based access for guardians, tutors, and admins with restricted visibility of personal contact details.
- Must support secure communication via admin-mediated contact only (no direct guardian-tutor communication).
- Must comply with privacy, data protection, and financial transaction regulations.
 - Dependent on third-party APIs for payment processing and system notifications.

2.5 Assumptions

- Users have internet access and basic digital literacy.
- Tutors provide valid identification and credentials.
- Guardians post accurate tuition requirements.

Chapter 3

Requirements

3.1 Functional Requirements

- FR1: Guardians can create accounts and manage profiles.
- FR2: Guardians can add student details (class, subject, location).
- FR3: Guardians can search tutors by filters (subject, class, location, fees).
- FR4: Guardians can post tuition requirements.
- FR5: Tutors can create professional profiles.
- FR6: Tutors can browse tuition posts and apply.
- FR7: Guardians can hire tutors and negotiate fees.
- FR8: The system provides secure payment tracking.
- FR9: Guardians can leave ratings and reviews for tutors.
- FR10: Admins can manage accounts, verify tutors, and resolve disputes.

3.2 Non Functional Requirements

- Performance: System should load within 3 seconds.
- Scalability: Should support 10,000+ concurrent users.
- Security: Password encryption, OTP login, SSL protection.
- Availability: 99.9% uptime guaranteed.
- Usability: Simple interface suitable for non-technical users.
- Maintainability: Modular and easily upgradable system.

Appendices

Appendix A

Glossary

- **Guardian:** Parent/individual looking for tuition services.
- **Tutor:** Individual providing academic tuition.
- **Admin:** Platform manager responsible for verification and monitoring.