Requirement specification

Functional Requirement

Functional requirements (FRs) provide an explanation of the tasks or functions that a system or software application should perform. In essence they outline the characteristics, behaviors and connections that the system needs to demonstrate in order to fulfill the requirements and meet the desires of its users or stakeholders.

Functional requirements are mandatory for the any system. For this system functional requirements are mentioned below.

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| FR-01 | Registration |
| Description | Users must have the ability to register for the system by providing their name, email, and password. |
| Actor | All users (Learners, Instructors, admins) |
| Priority | High |

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| FR-02 | Login |
| Description | Registered users should be able to log in securely using their username and password. |
| Actor | All users (Learners, Instructors, admins) |
| Priority | High |

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| FR-03 | Course Management |
| Description | Only an admin able to create new courses by providing a course title, description, and other relevant information. And also can edit existing courses, and delete courses from the system. |
| Actor | Admin |
| Priority | High |

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| FR-04 | Course Enrollment |
| Description | Students are able to browse available courses and enroll in them. |
| Actor | Learners |
| Priority | High |

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| FR-05 | Payment Processing |
| Description | The system supports payment processing for course fees. |
| Actor | Learners |
| Priority | High |

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| FR-06 | Blog Post Creation and Mange |
| Description | Teachers should have full control over their blog posts, including the ability to create new blogs, edit the content and title of their existing blogs, and delete any of their posted blogs. |
| Actor | Instructors |
| Priority | High |

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| FR-07 | Blog Post Reading |
| Description | All users should be able to read blog posts created by teachers. |
| Actor | All users (students, teachers, admins) |
| Priority | High |