

BUSINESS REQUIREMENTS DOCUMENT

<< PROJECT-1 >>

<< XYZ COMPANY-DATA ANALYTICS COURSE>>

VERSION: 1.A.N.

DATE <<2024-10-06 >>

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VERSION AND APPROVALS

VERSION HISTORY			
Version #	Date	Revised By	Reason for change
1.A.N.	10-09-2024	Anand Zanwar	

Content changes between the current version and the previous version are identified using the Blackline convention (i.e., additions and ~~deletions~~).

This document has been approved as the official Business Requirements Document for <XYZ COMPANY-DATA ANALYTICS COURSE>, and accurately reflects the current understanding of business requirements. Following approval of this document, requirement changes will be governed by the project's change management process, including impact analysis, appropriate reviews and approvals.

DOCUMENT APPROVALS			
Approver Name	Project Role	Signature/Electronic Approval	Date

PROJECT DETAILS

Project Name	Business Analytics Course
Project Type	Phase-1
Project Start Date	10-08-2024
Project End Date	-
Project Sponsor	XYZ Company
Primary Driver	-
Secondary Driver	-
Division	-
Project Manager	MR.ABC

OVERVIEW

This document defines the high level requirements XYZ Company-Business Analytics Course. It will be used as the basis for the following activities:

- Creating solution designs
- Developing test plans, test scripts, and test cases
- Determining project completion
- Assessing project success

DOCUMENT RESOURCES

Interest/Influence	High Influence	Low Influence
High Interest	Key Stakeholders	Interested Parties
	-Students/Learners	-Marketing Team
	-Course Instructor/Trainer	-Sales Team
	-Curriculum Designers	-Quality Assurance Team
	-Content Developers	-Technical Support Team
Low Intersts	Keep Satisfied	Minimal Effort
	-Project Manager	-Compliance And Accreditation
	-Senior Management	-Bodies

GLOSSARY OF TERMS

Term/Acronym	Definition
BRD (Business Requirements Document):	Document outlining business needs and project requirements
Stakeholder	Individual or group with an interest in the project
Curriculum	Structured content and materials of a course
Content Developer	Professional who creates course material
Course Instructor	Person who teaches and facilitates the course.
Learning Outcome	Skills or knowledge students should gain from the course
Assessment:	Methods to evaluate students' understanding
Curriculum Designer	Professional who plans and organizes course content
Marketing Team	Group responsible for course promotion
Technical Support:	Assistance with technical issues related to the course
Quality Assurance (QA)	Ensuring the course meets quality standards
Project Manager (PM)	Oversees project execution and management
Data Analytics	Analyzing data to extract insights
Compliance and Accreditation:	Meeting educational and regulatory standards

PROJECT OVERVIEW

4.1 Project Overview and Background

The Data Analytics Course Development project aims to design and launch an advanced online course that equips learners with practical skills in data analytics. This course will provide a comprehensive curriculum covering foundational to advanced analytics techniques, supported by high-quality instructional materials and real-world case studies. The project encompasses course design, content creation, platform integration, and marketing efforts, with a focus on delivering a robust educational experience that prepares students for careers in data analytics.

4.2 Project Dependencies

- Subject Matter Experts:** Availability of experts to ensure accurate and relevant content.
- Technology Integration:** Compatibility with the Learning Management System (LMS).
- Resource Availability:** Access to budget, tools, and personnel.
- Quality Assurance:** Effective testing and review processes.
- Marketing:** Coordination with the marketing team for promotion.
- Compliance:** Adherence to educational and regulatory standards.
- Feedback:** Collection and analysis of feedback for course improvements.
- Stakeholder Engagement:** Active support and involvement from all stakeholders

4.3 Stakeholders

The following comprises the internal and external stakeholders whose requirements are represented by this document:

	Stakeholders
1.	Students/Learners
2.	Course Instructors/Trainers
3.	Curriculum Designers
4.	Content Developers
5.	Marketing Team
6.	Technical Support Team
7.	Quality Assurance Team

KEY ASSUMPTIONS AND CONSTRAINTS

5.1 Key Assumptions and Constraints

Key Assumptions

- Availability of Resources:** Necessary resources, including budget, tools, and personnel, will be available as planned.
- Expertise:** Subject matter experts and instructors will be available and committed to the project timeline.
- Technology:** The Learning Management System (LMS) will support all required features for course delivery.
- Compliance:** The course will meet all relevant educational and regulatory standards.
- Market Demand:** There is sufficient demand for the Data Analytics course to achieve enrollment targets.

Constraints

- Budget Limitations:** The project must adhere to the allocated budget, potentially impacting scope or quality.
- Time Constraints:** The project must be completed within the set timeline, which may limit the development and review phases.
- Technology Limitations:** The course may be restricted by the capabilities or limitations of the LMS or other technological tools.
- Resource Availability:** Limited availability of key personnel or experts could affect project timelines and deliverables.
- Regulatory Compliance:** The course must comply with educational standards and regulations, which may impose additional requirements or constraints.

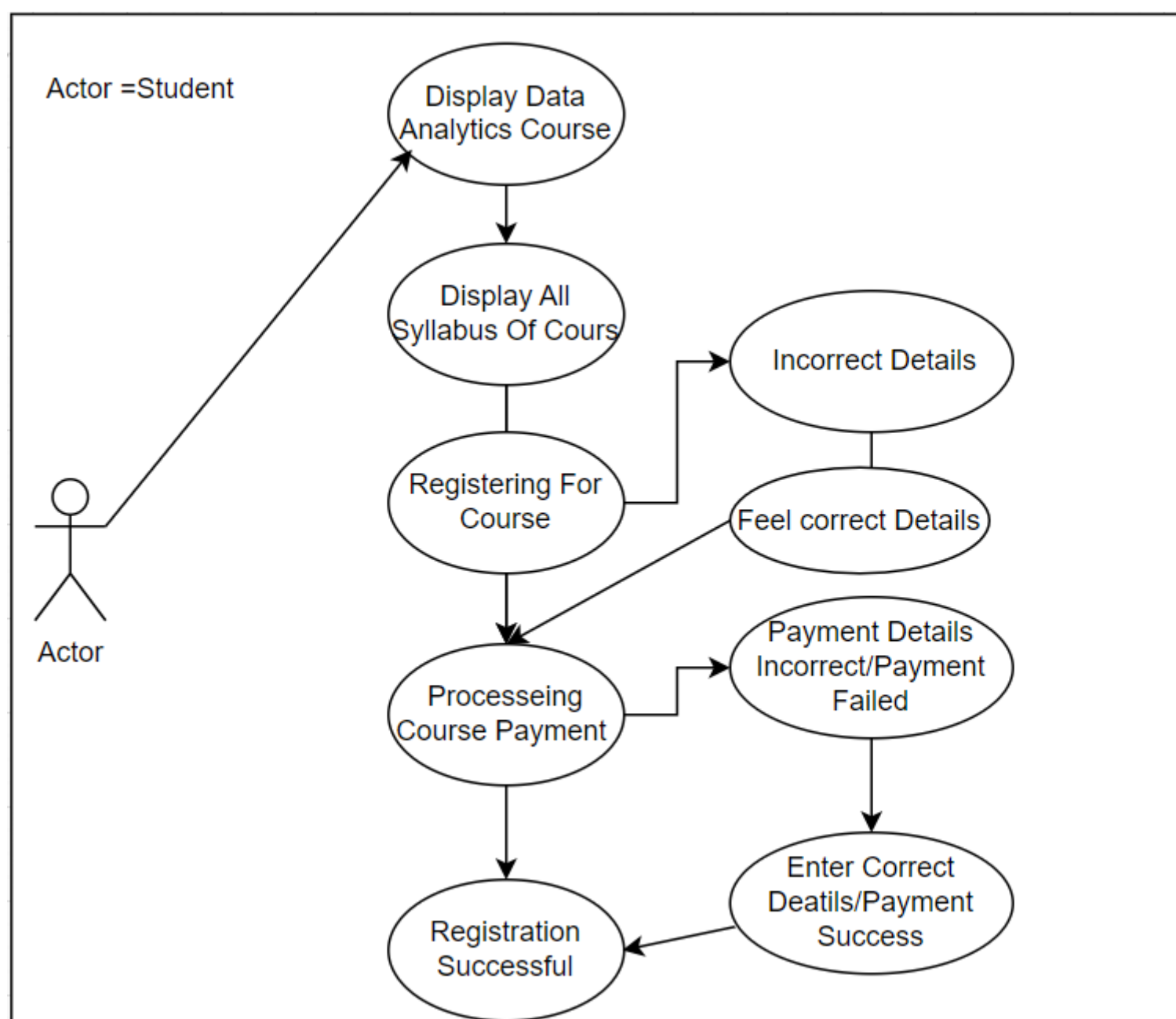
USE CASE

Use Case Name: Enroll in Data Analytics Course

Description	The use case outlines the process for a prospective student to enroll in the Data Analytics course, ensuring successful registration, payment
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	processing (if applicable), and access to course materials on the Learning Management System (LMS).
Actors	Prospective Student, Course Administrator, Learning Management System (LMS), Marketing Team, Payment Gateway, Technical Support
Preconditions	1. The Data Analytics course is available and listed on the Learning Management System (LMS). 2. The prospective student has access to the LMS or course website.
Postconditions	1. The prospective student is successfully enrolled in the course. 2. The student receives a confirmation of enrollment and access to course materials.
Trigger	A prospective student initiates the enrollment process by accessing the Data Analytics course page on the LMS or course website.

Use Case Diagram



Use Case Narrative

<Each Use Case should be documented using this template. Refer to the Appendix for Use Case Narrative instructions>

Use Case ID:	1		
Use Case Name:	Data Analytics Course		
Created By:	Anand Zanwar	Last Updated By:	Anand Zanwar
Date Created:	2024/09/10	Date Last Updated:	

Actors:	Student
Description:	Students enrolling the Data Analytics Course
Preconditions:	Students should have login credentials to Learning Management Portal
Postconditions:	Students Enrolled to Course
Normal Course:	1.Open Website and search for data analytics course 2. Register For Course 3.Success Message for registering Course
Alternative Courses:	None
Exceptions:	Failed payments or incorrect registering details
Includes:	None
Priority:	To Establish the Course
Frequency of Use:	Once per visit
Business Rules	TBD...
Special Requirements:	1.24/7 access 2.Up And running payment gateway 3.Notifications in case of failure
Assumptions:	
Notes and Issues:	

BUSINESS REQUIREMENTS

The following sections document the various business requirements of this project.

The requirements in this document are prioritized as follows:

Value	Rating	Description
1	Critical	This requirement is critical to the success of the project. The project will not be possible without this requirement.
2	High	This requirement is high priority, but the project can be implemented at a bare minimum without this requirement.
3	Medium	This requirement is somewhat important, as it provides some value but the project can proceed without it.
4	Low	This is a low priority requirement, or a “nice to have” feature, if time and cost allow it.
5	Future	This requirement is out of scope for this project, and has been included here for a possible future release.

Security

REQ#	PRIORITY	REQUIREMENT	DESCRIPTION	RATIONALE
S-1	Critical	User Authentication	Ensure only enrolled students access the course. Use strong password policies and multifactor authentication	Required for protecting course content and student data
S-2	High	Data Encryption	Encrypt sensitive student data, including personal information and payment details	Encryption Algorithms like AES to secure the data transmission
S-3	Medium	Role-Based Access Control	Define different access levels for students, instructor and admins	Avoid unauthorized access to course management tool
S-4	High	Secure payment Gateway	Secure Integration with trusted payment systems	Protect financial transactions during course enrollment
S-5	Future	Data Breach Notifications	Implement system to notify students in-case of data breach	Regulatory Compliance

Reporting

REQ#	PRIORITY	REQUIREMENT	DESCRIPTION	RATIONALE
R-1	High	Course Progress Tracking	Generate detailed reports on individual student progress, completion rates, and grades	Needed for student performance evaluation
R-2	Critical	Data Analytics Dashboards	Provide real time analytics of student engagement, quiz scores and completion	Used by the instructors to adjust teaching methods
R-3	Medium	Feedback Mechanism	Collect student feedback on course our content and useability and generating reports for continuous improvements	Helps Improve Course Quality
R-4	High	Learning outcome metric	Report Metrics on skill acquisition and outcomes from quizzes, projects and assessment	Measure Course Effectiveness
R-5	Low	Customizable Reporting	Allow users to create custom reports tailored to specific needs	Useful for specific analysis by instructors or admins

Usability

REQ#	PRIORITY	REQUIREMENT	DESCRIPTION	RATIONALE
U-1	Critical	User Friendly Interface	Intuitive, easy to navigate platform, accessible for students of various tech backgrounds	Ensures smooth learning experience
U-2	High	Mobile Compatibility	Ensure course can be accessed over the mobile devices without any usability issue	Vital for learners who prefer mobile learning
U-3	High	Interactive Features	Incorporate the interactive features like quizzes, discussions forums and real-time project simulation	Engage Learners in courses

U-4	Medium	Multilingual Support	Provide course material in multiple languages for global accessibility	Enhances inclusivity for non-English
U-5	Medium	Accessibility Compliance	Make the course accessible for students with disabilities	Legal Compliance and inclusivity

Audit

REQ#	PRIORITY	REQUIREMENT	DESCRIPTION	RATIONALE
A-1	Critical	Compliance with industry standards	Ensure course platform follows data security, privacy and education standards	Prevent legal issues and ethical practices
A-2	High	Activity logging	Log all user activity for future audit purposes	Ensure transparency and traceability
A-3	High	Licence and certification verification	Provide verification for students completing the course, including certificate tracking	Adds credibility to course completion
A-4	Medium	Audits trails for course modifications	Track changes made to course content, including version history	Allow tracking of course updates for accountability
A-5	Medium	Periodic Security Audits	Regularly audit the system for security vulnerabilities and compliance gaps	Proactive approach to maintaining platform integrity