

## ASSIGNMENT 02 FRONT SHEET

<b>Qualification</b>	<b>BTEC Level 5 HND Diploma in Computing</b>		
<b>Unit number and title</b>	Unit 09: Software Development Life Cycle		
<b>Submission date</b>	04/07/2022	<b>Date Received 1st submission</b>	
<b>Re-submission Date</b>		<b>Date Received 2nd submission</b>	
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<b>Student declaration</b> I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice.			
		<b>Student's signature</b>	

### Grading grid

P5	P6	P7	M3	M4	M5	M6	D3	D4

<input type="checkbox"/> <b>Summative Feedback:</b>			<input type="checkbox"/> <b>Resubmission Feedback:</b>		
<b>Grade:</b>		<b>Assessor Signature:</b>		<b>Date:</b>	
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<b>Signature &amp; Date:</b>					

## Introduction

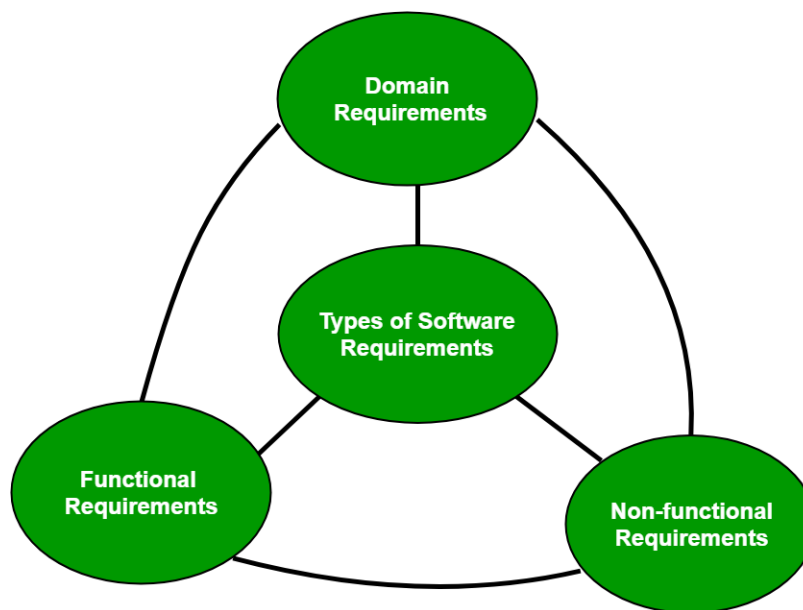
Tune Source has approved the project of creating a new website for this job. This study outlines some of the final steps in bringing the project to market. To begin, we must define the case study's stakeholders, their roles, and their interests... This report will go over and demonstrate how to implement a software development life cycle as well as the appropriateness of software behavior design techniques when working on the TuneSource Project.

### Task 1 – Analysis (1)

#### I. Identify the stakeholders, their roles and interests in the case study.

##### 1. Requirement

In software engineering, a requirement is a feature of new software that someone wants, needs, or commands. It describes the software's capabilities and any limitations it should have.



*Figure 1: Requirement (Source: Internet)*

##### 2. Stakeholder and their interest

- Stakeholder definition:

No	Stakeholder	Role	Interest
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	Bui Huong Linh	Project Manager	The project manager is involved in the planning, execution, supervision, control,...
2	User	Customer	Make purchases on the website, the downloads, users increase, revenue increases to help the company grow more. Give feedback for website development.
3	The IT department	Website administration	Receive a salary from the company
4	Bui Huong Linh	Project Manager	

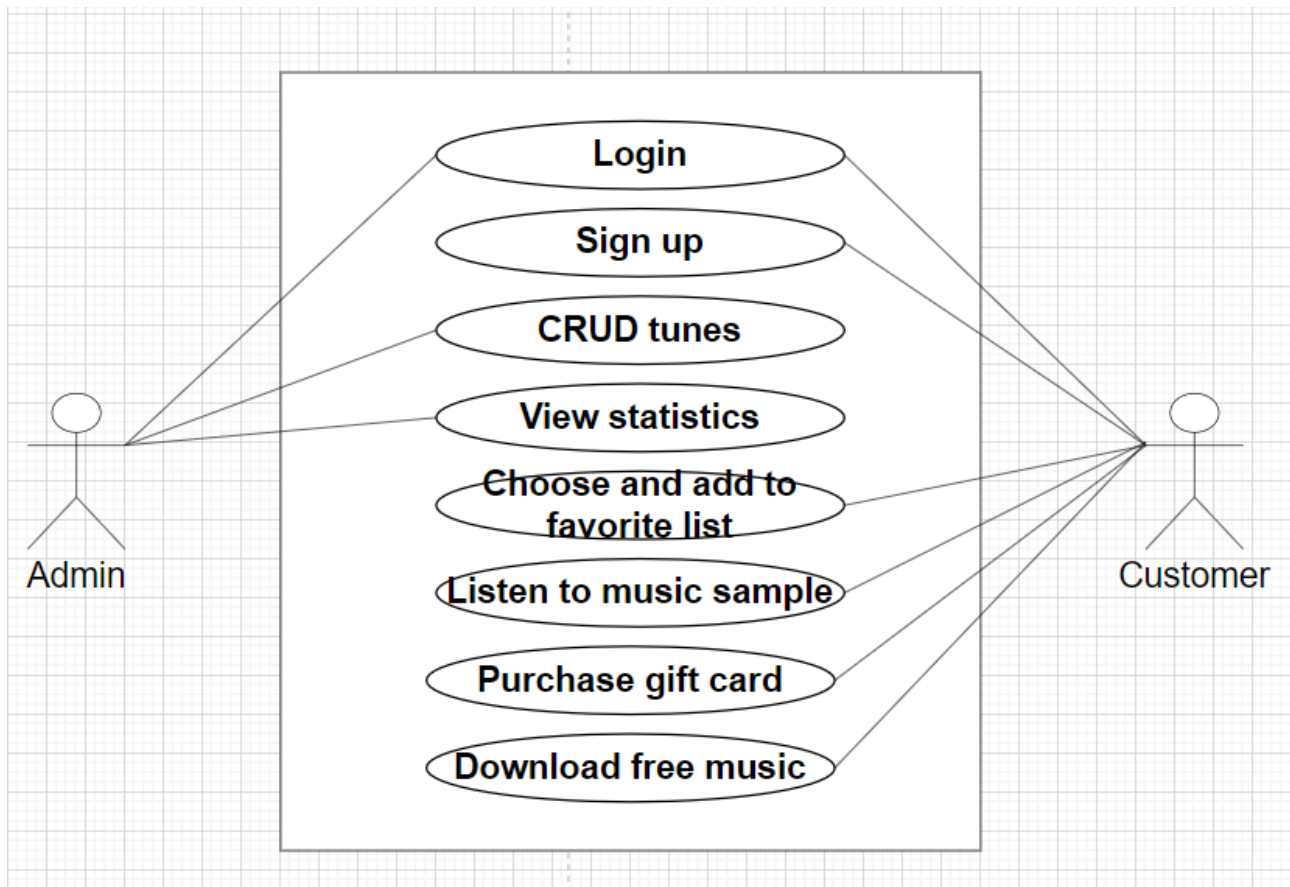
### 3. Discuss the relationships between the FRs and NFRs.

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No	Requirement	Type of requirement	Explain

**Task 2 – Analysis (2)**

## 1. Use case



- Admin can login and view, add, edit, and delete tracks, as well as view statistical data.
- Customers can login, listen to music samples, choose and add to favorites list, ...

## 2. Use case description for 2 case

## 3. Context diagram

## 4. Data flow diagram level 1

## 5. ERD

## 6. Flowchart of Tune Source system

## 7. OOP techniques: Class diagram à Activity (ai lm M)

**Task 3 – Analysis (3)**

## I. Discuss how the user and software requirements are addressed in the design phase.

## 1. Flowchart

## 2. Source code

## 3. Test case

Test	Test Description	Test Steps	Test Data	Expected Results	Actual Results	Pass/Fall
1	Register	1/ Enter 2/ Login	Email: 1 Password: * Re- Password: *	Successfully registered an account.	Successfull	Pass
2	Login	1/ Register 2/ Login	Email: 1 Password: *	Successfully logged into the account.	Successfull	Pass