



System Analysis and Design – 1

Project Idea:

Social Media Website (Instagram Clone)

Github:

1. [AhmedMetwaly1287/SAD-1-Project: System Analysis and Design - 1 Project Repo for the FCAI-HU \(github.com\)](https://github.com/AhmedMetwaly1287/SAD-1-Project)
2. [AhmedMetwaly1287/SAD-Website \(github.com\)](https://github.com/AhmedMetwaly1287/SAD-Website)

Team Members

Name	ID
أحمد محمد متولي بيومي	20210108
أحمد عصام حمدي	20210078
أحمد رؤوف علي	20210054
سلمى أشرف ابراهيم أمام	20210408
أحمد عمر حسين محمد	20210085
أحمد سيد فراج	20210059

1. Use Case Diagram



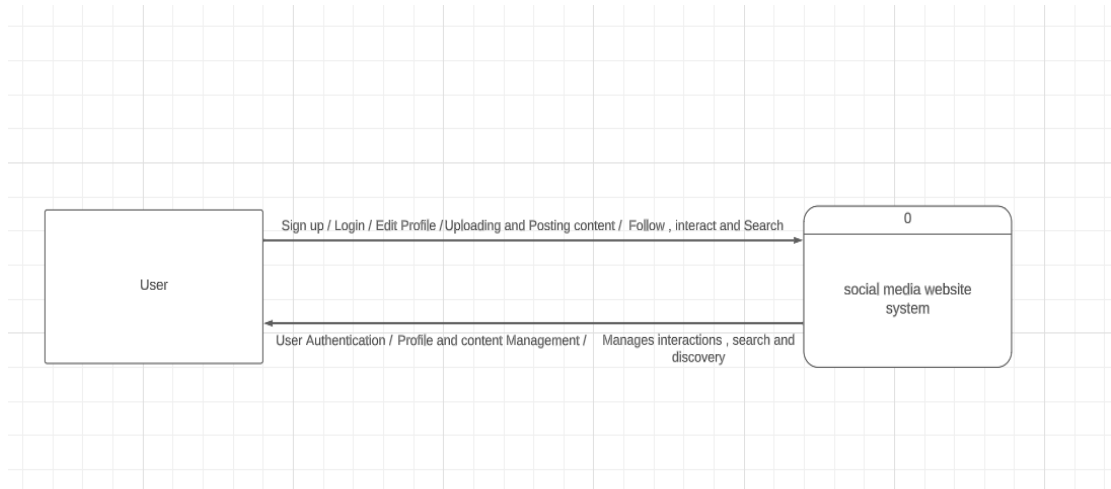
2. Use Case Diagram Description

Use case	Socail media website
Actors	User
Goal	Enable users to share and interact with thoughts, photos, or other content with friends and family.
Pre condition	<ul style="list-style-type: none">• The user must sign up or logged in to the system.
Post condition	<ul style="list-style-type: none">• users shared and interacted with the content with friends and family.
Brief use case discription	<p>Users can:</p> <ul style="list-style-type: none">• sign up or login to the system .• Edit their Profile.• Share and Upload thoughts, photos, or other content with friends and family.• Search for other users and hashtags.• View news feed and explore trendy content.• Save posts to collection.

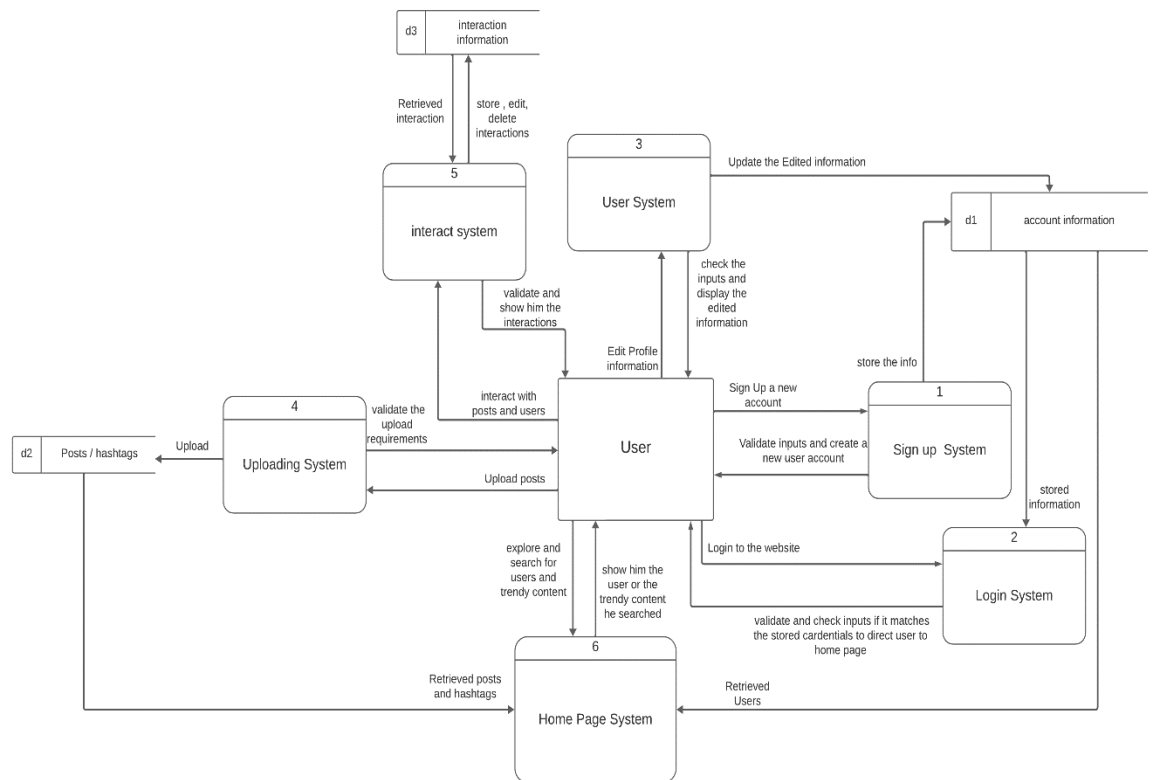
- To access the old Use-Case Diagram click [here](#).

3. Data Flow Diagram

- Context Diagram:



- Level 1 Diagram:



4. Decision Table

- **Main Behavior:**

Conditions	Condition Alternatives															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
User Authorized	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N
Valid Media File Uploaded	Y	Y	N	N	Y	Y	N	N	Y	Y	N	N	Y	Y	N	N
User's Restricted	Y	Y	Y	Y	N	N	N	N	Y	Y	Y	Y	N	N	N	N
Other Fields Filled	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N
Actions	Action Entries															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Upload Post To Home Page					X								X			
Display Error Message	X	X	X	X		X	X	X	X	X	X	X		X	X	X

- **Simplified Decision Table:**

Conditions	Condition Alternatives							
	1	2	3	4	5	6	7	8
User Authorized	Y	N	Y	N	Y	N	Y	N
Valid Media File Uploaded	Y	Y	N	N	Y	Y	N	N
User's Restricted	Y	Y	Y	Y	N	N	N	N
Other Fields Filled	-	-	-	-	-	-	-	-
Actions	Action Entries							
	1	2	3	4	5	6	7	8
Upload Post To Home Page					X			
Display Error Message	X	X	X	X		X	X	X

- To access the rest of the Decision Tables click [here](#)