



## **Software Construction And Development**

### **Project artifact (02)**

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## Fully Dressed / Expanded Use Cases

### 1. Register Account:

Use case no	01	
Use case name	Register Account	
Actor	Student	
Type	Primary	
Description	The user creates a new account in the system using required personal details.	
Preconditions	User has accessed the registration page..	
Postconditions	A new user account is created and stored in the system.	
Normal flow / Main success flow	Actor Action <ol style="list-style-type: none"><li>1. User selects the <b>Register Account</b> option.</li><li>2. User enters required details (name email password).</li></ol>	System Response



		<ol style="list-style-type: none"><li>3. System validates the entered information.</li><li>4. System stores user details in the database.</li><li>5. System displays confirmation message: “Account successfully created</li></ol>
Alternative flows/Extension	A1.1. If data is incomplete or invalid, the system shows an error message and requests correction.	
	A1.2. If the email already exists, the system displays Account already exists and suggests user to log in.	

## 2. Login Account:

Use case no	02
Use case name	Login Account
Actor	Student
Type	Primary
Description	User logs into the system securely using valid credentials..
Preconditions	User must have a registered account.



Postconditions	User is successfully authenticated and logged into the system.	
Normal flow / Main success flow	Actor Action	System Response
<ol style="list-style-type: none"><li>1. User selects <b>Login</b> option.</li><li>2. User enters email and password.</li></ol>		<ol style="list-style-type: none"><li>3. System validates credentials.</li><li>4. System grants access and redirects user to dashboard.</li></ol>
Alternative flows/Extension	<p>A1.1. If credentials are incorrect, the system shows: Invalid email or password.</p> <p>A1.2. If account is not registered, system asks user to create a new account.</p>	



### 3. Enter Item:

Use case no	03	
Use case name	Enter Item	
Actor	Student	
Type	Primary	
Description	User posts a lost or found item by entering required item details.	
Preconditions	User must be logged in.	
Postconditions	A new lost/found item entry is saved in the system.	
Normal flow / Main success flow	Actor Action	System Response
	1. User selects <b>Post Item</b> option. 2. User enters item description, category, date, and location.	



	<p>3. User uploads image of the item.</p> <p>4. System validates item details.</p> <p>5. System stores item information in the database.</p> <p>6. System shows confirmation: Item successfully posted.</p>	
Alternative flows/Extension	A1.1. If required fields are missing, system prompts user to complete them.	
	A1.2. If image format/size is invalid, system shows an image upload error.	

#### 4. Search Item

Use case no	04
Use case name	Search Item
Actor	Student
Type	Primary

Description	User searches for lost or found items in the system.	
Preconditions	User must have access to the search page.	
Postconditions	System displays a list of matching items.	
Normal flow / Main success flow	<p>Actor Action</p> <p>1. User enters search keyword or selects category/location filters.</p>	<p>System Response</p> <p>2. System searches for items matching criteria.</p> <p>3 System displays search results to the user..</p>
Alternative flows/Extension	<p>A1.1. If no items match, system shows No items found.</p> <p>A1.2. If filters are incomplete, system prompts user to adjust filters.</p>	



## 5. Approve Post

Use case no	05	
Use case name	Approve Post	
Actor	Student	
Type	Primary	
Description	Admin reviews and approves or rejects posted items before they appear publicly.	
Preconditions	Admin must be logged in. A new item entry must be pending approval..	
Postconditions	Item is approved and visible to all users OR rejected.	
Normal flow / Main success flow	Actor Action	System Response
	<ol style="list-style-type: none"><li>1. Admin views list of pending posts.</li><li>2. Admin selects a post to review.</li><li>3. Admin approves the post.</li></ol>	

		4. System updates post status to Approved..
		3 System displays the post to all users.
Alternative flows/Extension	A1.1. If Admin rejects the post, System marks it as Rejected and hides it.	
	A1.2. If system validation fails, admin receives an error message.	

## 6. Delete Post:

Use case no	06
Use case name	Delete Post
Actor	Student
Type	Primary
Description	Admin removes a post that is invalid duplicate or resolved.

Preconditions	Admin must be logged in.  A post must exist in the system.	
Postconditions	The selected post is permanently deleted.	
Normal flow / Main success flow	<b>Actor Action</b> 1. Admin selects a post to delete. 2. Admin confirms deletion.	<b>System Response</b>    3. System removes the post from the database.  4. System displays Post successfully deleted.
Alternative flows/Extension	A1.1. If admin cancels deletion, system returns to previous page without changes.  A1.2. If post does not exist already deleted, system shows an error.	

