



ADipITo2 – Object-Oriented Design and Programming

TOPIC: INDIVIDUAL PROJECT REPORT

Group Name: Heisenberg

Students Name: Pranaya Manandhar

Students Id: NP03A180026

Submitted date: December 28, 2019

Submitted to: Raj Prasad Shrestha

Word Count: 251

Individual Report

This is a short document to showcase my contribution to continuous assessment-1 in the group project of Object Oriented Programming.

I, Pranaya Manadhar , of group Heisenberg was given to work on the Use Case Diagram and it's explanation for our group project "Phoby". Our project is an idea sharing platform which can be used to showcase user's creations in relation with their hobbies and get ideas to create new ones.

My contribution was:

Use Case Diagram

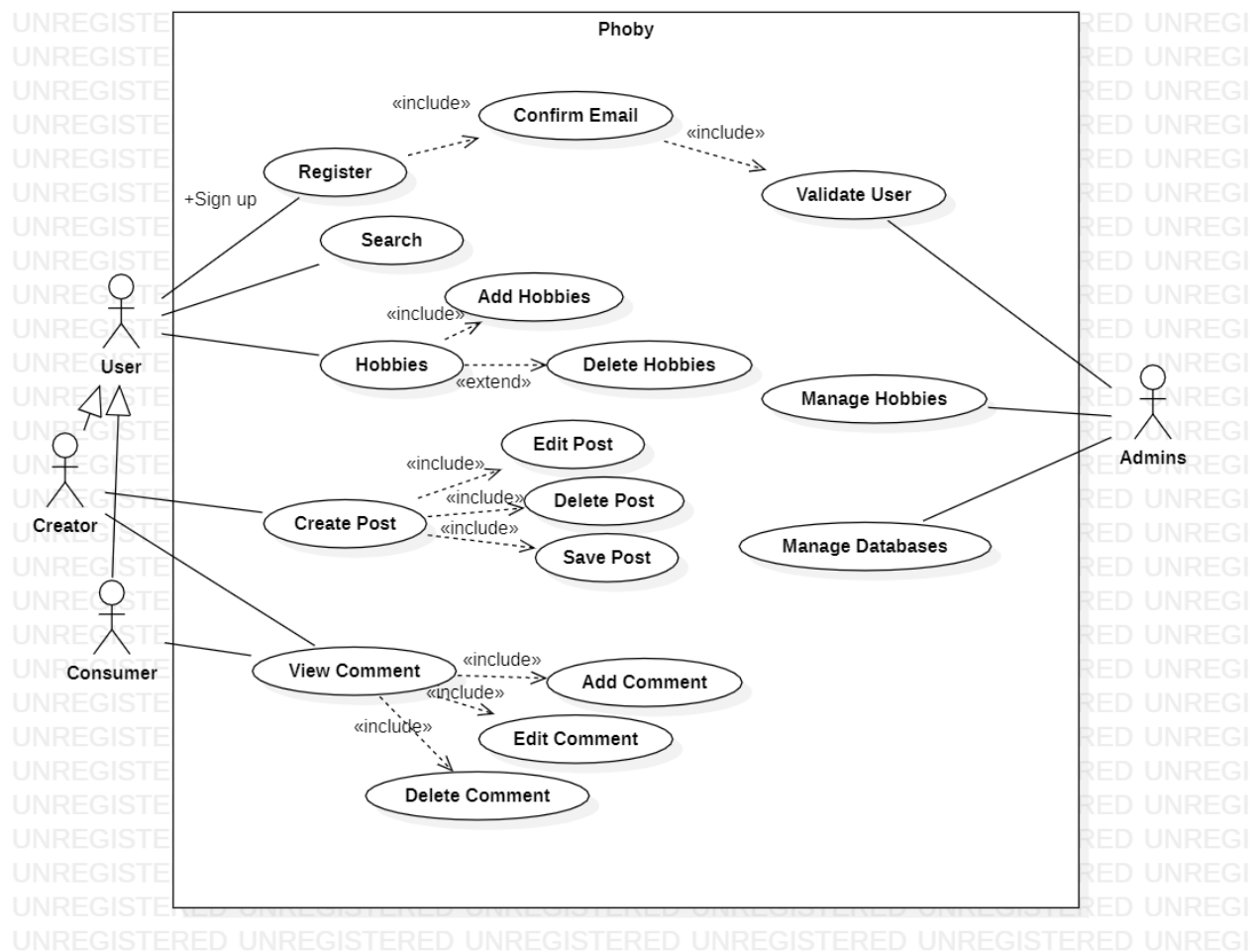


Figure 1 : Use Case for Phoby

Explanation:

User Case ID	UC-101
Use Case	People sharing hobbies and searching for inspirations.
Actors	Users (Creators, Consumers), Admins.
Description	Users logs in, shares their hobbies (i.e. art, music, photography, etc.), or checks other's creations for inspirations.
Pre-conditions	Logged in the site.
Flow of Events	<ol style="list-style-type: none"> 1. User enters site. 2. Site prompts user for account validation. 3. Customer enters email and password. 4. Site authenticates user. 5. Site presents user with posts according to their hobbies and choices. 6. User uploads posts according to their hobbies. 7. User interacts with the post (like, comment and save). 8. User view likes and comments. 9. Users can use searches to fill their curiosity. 10. User can logout or exit site.
Post-conditions	Site is closed or logged out.
Alternative Flows	User may not be able to connect to website, user may not be authenticated,
Priority	High
Assumptions	Users are highly active and communicative.

And I will be contributing to the following continuous assessments in the future. Thank you.

Activity Diagram

Login Case

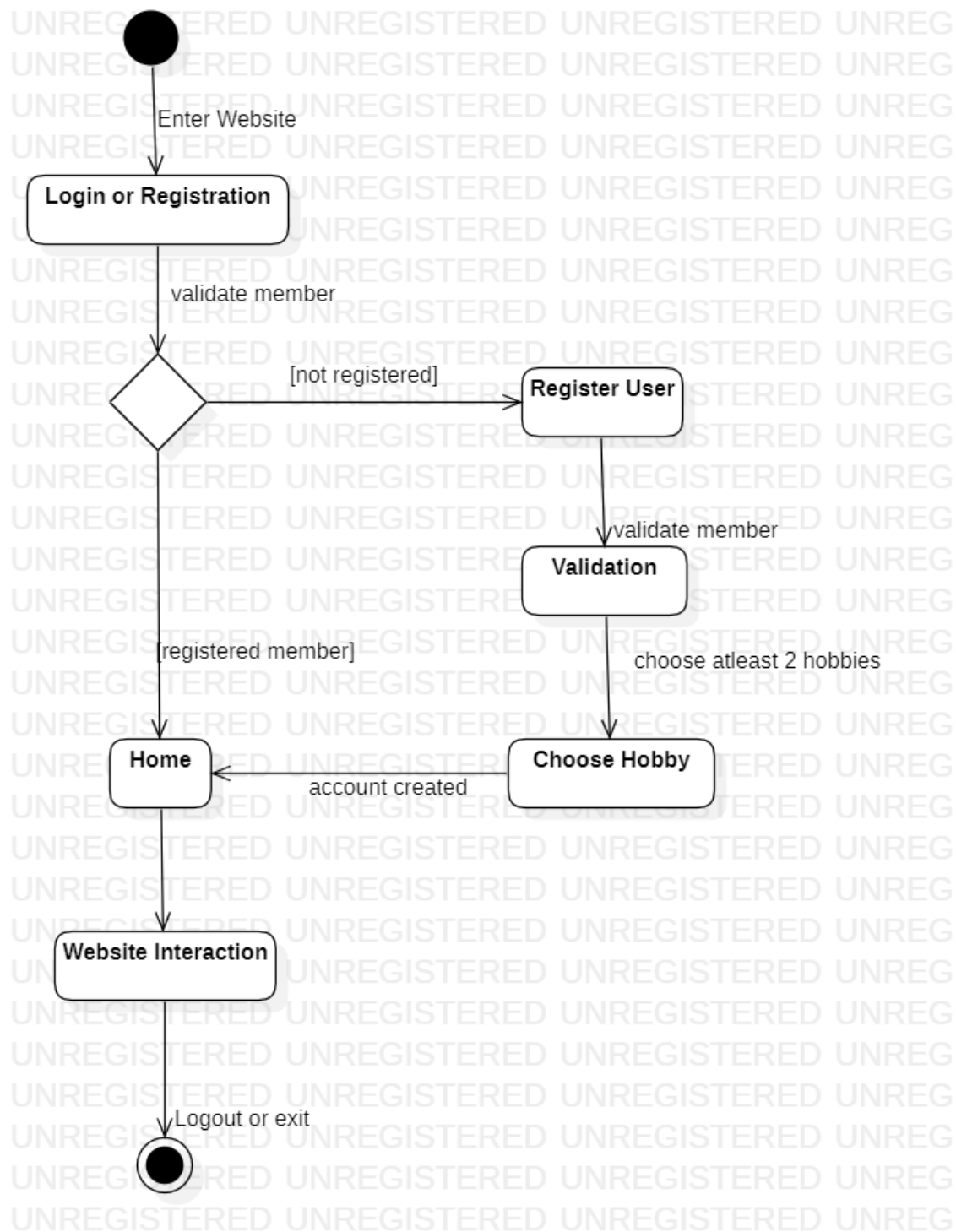


Figure 2: Activity diagram of Login Case

Here, there a user/actor enters the website and arrive at the login/register page. Here If the user is registered then the user logs in their credentials in the logins and arrives at the home page.

But if the user is not registered then they are registered to the website and they are validated by the system. After this the user chooses at least 2 hobbies and the new user is directed to the homepage where they interact with other apps in the website and logout.

Post Case

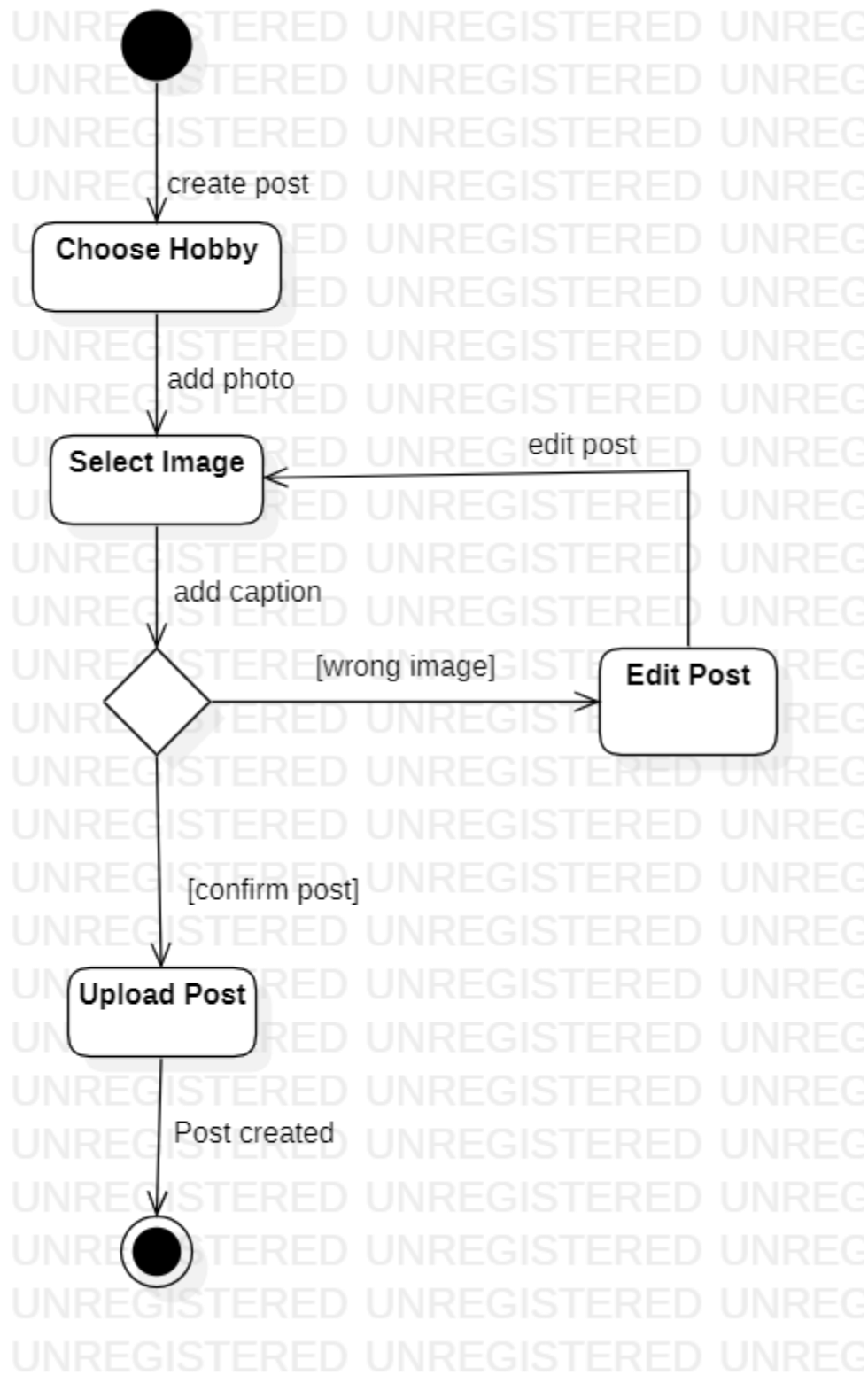


Figure 3: Activity Diagram of Post Case

Here, is a scenario where a logged in user(creator) is creating a new post according to their hobby. First, the creator goes to create post and selects an image. After selecting image then the user is given an option to add a caption. If the process till this moment has no problems then the user uploads the post thus completing the post action. But if there were any problems in the process then the user would be directed back to the select image through edit post.