# Newledge Portal Explanation Document for QA Testing

The Newledge Portal is an interactive platform designed to enhance cyber threat awareness through games, interactive learning experiences, scoring systems, and more. The system is specifically built to provide a customized experience for each user, utilizing gamification principles to create engagement and effective learning. This document details the system structure, its main functionalities, and important testing aspects for QA testers.

## **Portal Structure - General Overview**

The portal provides an intuitive user experience tailored to organizational and user needs. The portal structure includes:

### **1. User Interface:**

* Login and Registration Screen: Users enter the system through login credentials or a registration process.
* Personalized Home Page: Displays available games, current score, leaderboard ranking, and access options to content categories.
* Game Page.

### **2. Content and Modules:**

The portal is divided into several main categories:

* Virtual Adventures: Complex multi-stage games simulating cyber attack scenarios in various environments.
* Cyber Games: Quick and specific games for learning basic cyber principles.
* Training Videos: Content customized for clients, including accurate scenarios.
* Knowledge and Skill Challenges: Quizzes and real-time decision questionnaires.
* Lectures and Internal Content: Videos, guides, and presentations for organizational users.
* Topic-based Division.

### **3. Main Features:**

* Scoring and Rating System:
  + Users accumulate points based on task execution time and accuracy level.
  + Leaderboards encourage competition among users.

## **System Details for Testing**

### **Login and Registration Screen**

1. Login Form Testing:
   * Username and password validation, including error scenarios (e.g., non-existent username, incorrect password).
   * Password recovery process testing and customized error messages.
2. Registration Process Testing:
   * Ensuring all fields function properly (name, email, password).
   * Testing automatic emails for new user verification.

### **Home Page**

1. Game Display:
   * Verifying proper loading of games and their data (title, description, and image).
   * Testing user experience with game category filtering.
2. Score Information Display:
   * Testing real-time score updates on the leaderboard.
   * Verifying consistency between home page scores and leaderboard scores.
3. Connectivity Testing:
   * Ensuring every button functions properly and directs to the correct destination.

### **Game Page**

1. Page Testing:
   * Display of title and description
   * Complete game loading
   * User experience in the game itself, exiting the game, and returning to it (including full-screen usage).

## **Admin Capabilities in the Portal**

The Newledge Portal system has a central Admin module that enables complete control over content, users, and data management. Below is a breakdown of admin capabilities and required testing:

### **Admin Dashboard**

Campaign Creation: Testing creation of new campaigns, users added to them, data collection by departments.

User Management:

* User List Display: Verifying all users are displayed with relevant permission details.
* User Profile Editing: Testing permission changes (regular user → admin).

### **Reports and Performance:**

Data Report Display Testing, including:

* Success rates by vectors (e.g., phishing, social engineering).
* Group Statistics: Comparison between departments and average scores.
* Data Export: Testing report generation in various formats (Excel, PDF).

### **Load Testing:**

* Simulating multiple simultaneous system logins.
* Testing proper loading of games and ranking pages under heavy loads.

### **Security Testing:**

* Testing personal information security and encryption mechanism validation.

All pages should be tested only in English and in dark/light mode.

ATTENTION:

In the ADMIN panel:

* When Creating Campaigns or other items please use a Team Index in the name so you can recognize your items. Example: Team Assert Ladies – Campaign “AL Campaign 1”
* PLEASE DELETE ONLY ITEMS THAT YOUR TEAM HAS CREATED. Do not delete items of other teams, let’s keep it friendly and professional.

SUT:

URL  
 <https://portal.test.new-ledge.com>

Admin Users:  
  
[admin1@new-ledge.com](mailto:admin1@new-ledge.com)  
Admin1234!  
  
[admin2@new-ledge.com](mailto:admin1@new-ledge.com)  
Admin1234!  
  
[admin3@new-ledge.com](mailto:admin1@new-ledge.com)  
Admin1234!