

**Vietnam’s History**

**Software Requirement Specification**

Project Code: VNH

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# Introduction

Vietnam’s History is a website that is developed to provide documents for everyone to research and study Vietnam’s History. Vietnam’s History includes a homepage, article page, historical figure page, historical site page, video, book,...

## Purpose

## Scope

Vietnam’s History application includes some main features such as:

**1.2.1. Guesses use application:**

FE–1: Manage account: create account, update profile, view profile.

FE–2: Information lookup: search and view about Vietnam’s History through posts, articles, books, videos,... in our application.

**1.2.2Members/users use application:**

FE–1: Manage profile: view profile, edit profile, update avatar.

FE–2: Logout.

FE–3: Reset password.

FE–3: Manage the learning process:

* Quiz: do tests, quizzes.
* Mini game: play a game about history, note the points, ranking.
* Bookmark: record the address/link page to enable quick access in future.

**1.2.3: Moderators use application:**

FE–1:Manage components(posts, articles, books, videos,...):

* view components.
* delete components.
* save components.
* update components.

FE–2: Browse articles contributed by members

**1.2.4: Admin use application:**

FE–1: Manage all members(members, moderators):

* Block members.
* UnBlock members.

FE–2: Manage website

* Delegate permissions to members(roles)
* Statistics on the amount of view, the amount of interaction of users and members

**Limitations & Exclusions:**

* Only support Vietnamese language on website.
* It is not impossible to moderate all negative comments.
* There is no mobile version for users yet.
* The content of the article is sometimes wrongs

## References

ChatGPT: <https://chat.openai.com>

Spring Boot: <https://loda.me/courses/spring-boot>

Figma: <https://www.figma.com>

## Overview

# Overall Description

**2.1 Product Overview**

**2.1.1 Guest Requirements**

Guests are people who have not been authenticated to the system. They only have limited access to the following functions:

* Sign up
* View/Search/Sort/Filter all pages.
* View a detailed article, video, book, historical site,...
* View interactive maps
* View timelines
* Send message

**2.1.2 Member Requirements**

Members are people who log into the website by email and password or login by google. They can access and use almost functions:

* Login, logout.
* View/Search/Sort/Filter all pages.
* View a detailed article, video, book, historical site,...
* View interactive maps
* View timelines
* Send message
* Comment/reply comment
* Write an article (request)
* Play game
* Ranking
* Get notifications
* Bookmark Post
* Edit Profile (change password)
* Upload Avatar
* Reset Password (forgot password)

**2.1.3 Moderator Requirements**

Moderators are people who are provided an account by admin to access to website with special functions:

* Login, logout.
* View/Search/Sort/Filter all pages.
* View a detailed article, video, book, historical site,...
* View interactive maps
* View timelines
* Reply comment
* Write/edit/delete an article
* Add questions for the game
* Get notifications
* Censor articles of members
* Edit Profile (change password)
* Upload Avatar
* Reset Password (forgot password)

**2.1.4 Admin Requirements**

* Ban user
* Statistic
* Add a moderator
* Statistic number of comments, posts of members or the number of hours members login
* Reset Password (forgot password)

**2.2 Business Rules**

| **ID** | **Business Rules** |
| --- | --- |
| BR-01 | User’s login session lasts for 3 hours by default. |
| BR-02 | Login failed over 5 times to request the actor confirm the email and reset the password. |
| BR-03 | Toxic comments in articles get encrypted to “\*\*\*”. |
| BR-04 | Report/ban members that spam too many comments. |
| BR-05 | Ban members if they request toxic articles |
| BR-06 | Users have to register by official email. |

# FUNCTIONAL Requirements

## 3.1 Use Cases Diagram

**Link:** [Use Cases Diagram](https://lucid.app/lucidchart/0386e986-4e02-4265-9830-08bde2f63017/edit?viewport_loc=823%2C339%2C2120%2C1068%2C.Q4MUjXso07N&invitationId=inv_4e26b660-65de-42e9-b35c-6e4e960ec9e9)

## 

## 3.2 Login

| **ID and Name:** | **lk01: Log in** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 23/05/2023 | |
| **Primary Actor:** | Member/Admin/Moderator | | | Secondary Actors: | | N/A | |
| **Priority:** | High | | | Frequency of Use: | | Usually | |
| **Trigger:** | The actor wants to log into Vietnam’s History. | | | | | | |
| **Description:** | This feature allows the actor to log in to use more features. | | | | | | |
| **Preconditions:** | The actor has a username and password or Google Account. | | | | | | |
| **Post-conditions:** | **Success:** If the username is an admin role, then redirect the admin page. If the username is a member or moderator role, then redirect the homepage.  **Fail:** System shows error message corresponding to error code | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | |  |
| 1 | On the homepage, the actor selects tab “Đăng nhập”. | | The system shows a form with these fields:   * Mail: number text input, required. * Password: number text input, required. * “Đăng nhập với google” tab. * Login button. | |  |
| 2 | Actor inputs username and password **[Alternative 1]** | |  | |  |
| 3 | Actor clicks the button “Đăng nhập” | | System will redirect to the admin page or homepage depending on the role.**[Exception 1,2]** | |  |
| **Alternative Flows:** | **Alternative 1:** | | | | | | |
|  | Step | Actor Action | | System Response | |  |
| 1 | In the login page, the actor selects the tab “Đăng nhập với google”. | | The system will redirect the homepage. | |  |
|  | 2 | User chooses a Google account and login | | System validates the email address. If correct, redirect to the home page.  **[Exception 3]** | |  |
| **Exceptions** |  | No | Cause | | System Response | |  |
|  | 1 | Email does not exist in the system. | | The system shows an error message: “Tài khoản chưa tồn tại trong hệ thống”. | |  |
|  |  | 2 | Right email but wrong password. | | The system shows an error message: “Sai mật khẩu, vui lòng nhập lại”. | |  |
|  |  | 3 | Email was signed up. | | The system shows an error message: “Email này đã được đăng ký”. | |  |
| Business Rules: | The account is locked within an hour when the user enters the password incorrectly over 5 times | | | | | |  |
| Assumptions: | The actor’s internet connection is available.  The login 3rd service is still working well. | | | | | |  |

## ***3***.3 L***ogout***

| **ID and Name** | **UC-02: Log Out** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | | TaiNHT | | | Date Created: | | 05/24/2023 | |
| **Primary Actor:** | | Member/Admin/Moderator | | | Secondary Actors: | | N/A | |
| **Priority:** | | High | | | Frequency of Use: | | Usually | |
| **Trigger:** | | The trigger for this use case is when the user wants to end their current session and log out of the system | | | | | | |
| **Description:** | | This feature allows users to log out of the system and return homepage as role “Guest” | | | | | | |
| **Preconditions:** | | * The user must be logged in to the system * The user must have an active session | | | | | | |
| **Post-conditions:** | | **Success:**   * System redirects actor to home page * The user’s session is terminated and all data associated with the session is cleared   **Fail**: System informs “Có lỗi xảy ra. Vui lòng thử lại sau giây lát” | | | | | | |
| **Normal Flow:** | |  | **Step** | **Actor Action** | | **System Response** | |  |
| 1 | On the homepage of Vietnam’s History website, The user clicks on the “Đăng xuất” button. | | The browser API clears all data associated with the session and redirects the user to the home page | |  |
| **Alternative Flows:** | |  | **Step** | | **Actor Action** | | **System Response** |  |
|  | 1 | | Actor clicks to the avatar to open quick select dropdown | | - System redirects to Login page |  |
|  | 2 | | Actor clicks to “Đăng xuất” | | Call browser API to clear the local storage in the client and sign out the Firebase season.  **[Exception 1]** |  |
| **Exceptions** | |  | **No** | **Cause** | | **System Response** | |  |
|  | 1 | Firebase sign-out error | | System informs “Có lỗi xảy ra. Vui lòng thử lại sau giây lát” | |  |
| **Assumptions** | |  | * Actor’s internet connection is available | | | | |  |

## 3.4 Forgot password

| **ID and Name:** | **UC-04: Forgot password** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 08/06/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The actors indicate that they want to reset the password when they forgot the password. | | | | | | | |
| **Description:** | This feature allows actors to reset their password when they forgot their password. | | | | | | | |
| **Preconditions:** | The actor must have an account. | | | | | | | |
| **Post-conditions:** | **Success:** Reset password successfully.  **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On login page of Vietnam’s History website, the actor clicks “Quên mật khẩu?”. | | The system notify “Kiểm tra email để đặt lại mật khẩu”. | | |  |
| 2 | The actor checks email and clicks “Đặt lại mật khẩu”. | | The system will redirect to the reset password page. | | |  |
| 3 | The actor types the new password and confirms the password text boxes. | | The textbox contains the password which the actor typed.  [Exception 1] | | |  |
| 4 | The actor presses “Enter” or clicks “Đặt lại mật khẩu” | | The actor’s password was updated. | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Passwords are very short. | | Display notification “Mật khẩu quá ngắn”. | | |  |
| **Business Rules:** | * The actor’s email must be right. | | | | | | |  |
| **Assumptions:** | * Actor’s internet connection is available * The mail 3rd service is still working well | | | | | | |  |

## 3.5 Registration

| **ID and Name:** | **UC-05:** **Registration** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 23/05/2023 |  | |
| **Primary Actor:** | Guess | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Usually |  | |
| **Trigger:** | The actor indicates that they want to register an account in Vietnam’s History web application. | | | | | | | |
| **Description:** | This feature allows actors to create new accounts to become members of the system. | | | | | | | |
| **Preconditions:** | * The actor is not logged in * The actor has an existing email. | | | | | | | |
| **Post-conditions:** | * Success: Vietnam’s History website will create a new account as a member account successfully and show the message * Fail: Vietnam’s History website will show a message error | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the login page of Vietnam’s History website, actors click the tab “Đăng ký”. | | +System shows a form with these fields: “Họ và tên”, “Email”, “Mật Khẩu”, “Xác Thực Mật Khẩu”. These fields are used for registration. | | |  |
| 2 | Actor inputs “Họ và tên”, “Email”, “Mật Khẩu”, “Xác Thực Mật Khẩu” in the registration page | | - Email: email text input, required, must have right form (a@gmail.com)- regex format /^\S+@\S+\.\S+$/  - Họ và tên: full name text input, must have at least 4 characters.  - Mật khẩu: password text input, must have at least 8 characters (include: characters and number).  - Xác thực mật khẩu: password text input again, that required to match the password. | | |  |
| 3 | Actor clicks “Đăng Ký” | | System checks these fields, we have 2 cases:  - Registration not successful:  [Exception 1,2,3,4,5,6]  - Registration success -> the system sends to the user a mail to verify email. | | |  |
|  |  | 4 | The actor check mail and clicks the link “Verify”. | | The system redirects sign up page and notify “Đã xác thực thành công”. After about 5s it will redirect to the homepage automatically. | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | At least one input field doesn’t match the constraint | | The system shows an error message corresponding to the fail constraint. | | |  |
|  | 2 | Email or phone number existed in the system | | The system shows error message: “Tài khoản đã tồn tại trong hệ thống”. | | |  |
|  | 3 | Some fields of registration are empty. | | The system shows error message: “Thông tin bị thiếu, vui lòng nhập lại”. | | |  |
|  | 4 | Email is not invalid. | | The system shows the error message: “Vui lòng nhập email hợp lệ” | | |  |
|  | 5 | Re-password is not matched with password | | System shows error message: “Mật khẩu không khớp, vui lòng nhập lại”. | | |  |
|  | 6 | Network is error | | System shows error message: “Lỗi kết nối internet, vui lòng thử lại sau.” | | |  |
| **Business Rules:** | · Email used for verification must exist  · After signing up successfully, the status of the account is “inactive” and needs to verify to become “active”. | | | | | | |  |
| **Assumptions:** | · Actor’s internet connection is available  · Email must be authorized to login/registration | | | | | | |  |

## 3.6 Upload an article

| **ID and Name:** | **UC-06: Upload a video** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderator, Member | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to upload a new article about Vietnam’s History | | | | | | | |
| **Description:** | This feature allows moderators to add a new article into article component | | | | | | | |
| **Preconditions:** | * The actor must login with the moderator or member role. | | | | | | | |
| **Post-conditions:** | * **Success:** A new video is added into the database and uploaded to the website * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the page of the article, moderators click “Đăng tải bài viết” | | The system responds to a new page to create a new article, includes:   * Title: input text (datatype: string) * Nội dung: input text (datatype: string) * Hình ảnh:: input a link (Image) (datatype: string) | | |  |
| 2 | Moderators will input these fields, after click button “Đăng bài viết” | | If uploaded successfully, The website will refresh, the article is added to the database, and the message will be shown “Thêm video thành công” for moderators. Otherwise, the message will be shown “Bài viết của bạn đã được gửi yêu cầu phê duyệt” for members.[Exception 1] | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while adding a new article are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
| **Business Rules:** | * The article will be uploaded when the pieces of information are filled full * Only moderators are able to upload a new article. * Moderators are responsible for uploading a new article, avoiding duplicate articles * Articles can only be viewed when added to the database | | | | | | |  |
| **Assumptions:** | * Actor’s internet connection is available. | | | | | | |  |

## 3.7 Update the article

| **ID and Name:** | **UC-07: Update the article** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderator, member | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to update an article about Vietnam’s History | | | | | | | |
| **Description:** | This feature allows moderators to update the article. | | | | | | | |
| **Preconditions:** | * The actor must login with the moderator or member role. | | | | | | | |
| **Post-conditions:** | * **Success:** A new article is updated into the database and uploaded to the website * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the detailed article, moderators, members click the button “Chỉnh sửa” . The member just see the “Chỉnh sửa” button when the article of member. | | The system displays a new page with data of the old article, includes:   * Title: input text (datatype: string) * Nội dung: input text (datatype: string) * Hình ảnh: input a link (Image) (datatype: string) | | |  |
| 2 | Moderators will input these fields, after clicking the button “Lưu” | | If uploaded successfully, The website will refresh, the article is updated in the database, and the message will be shown “Lưu bài viết thành công” for moderators. Otherwise, the message will be shown “Yêu cầu sửa bài viết đang chờ phê duyệt” for members.[Exception 1] | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while updating a new article are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
| **Business Rules:** | * The article will be updated when the pieces of information are filled full * Only moderators are able to upload a new article. * Moderators are responsible for updating an article, and avoiding duplicate articles. | | | | | | |  |
| **Assumptions:** | Actor’s internet connection is available. | | | | | | |  |

## 3.8 Delete the article

| **ID and Name:** | **UC-08: Delete the article** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderator, member | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to delete an article. | | | | | | | |
| **Description:** | This feature allows moderators to delete an article. | | | | | | | |
| **Preconditions:** | * The actor must login with the moderator. * The article that uploaded is enabled or the link of the article is existing | | | | | | | |
| **Post-conditions:** | * **Success:** The system display notification “Xóa thành công”. * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the article page, moderator,s members click the “Xóa” on each video. The member just sees the “Xóa” button when the article. | | The system displays notification “Bạn có chắc chắn muốn xóa không?”. | | |  |
| 2 | Moderators will input these fields, after click button “Có”  [Alternative 1] | | The system displays notification “Xóa thành công”. | | |  |
| **Alternative flow:** |  | No | Cause | | System Response | | |  |
|  | 1 | Moderator will input these fields after clicking the button “Không” | | The system hides the notification. | | |  |
| **Business Rules:** | * Only moderators and members are able to delete an article. Members can delete their articles. * Moderators are responsible for deleting an article. | | | | | | |  |
| **Assumptions:** | Actor’s internet connection is available. | | | | | | |  |

## 

## 

## 3.9 Show Articles

| **ID and Name:** | **UC-09: View Articles** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 23/05/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Usually |  | |
| **Trigger:** | The actor indicates that he/she wants to view articles about Vietnam’s History in a web application. | | | | | | | |
| **Description:** | This feature allows actors to watch or study Vietnam’s History through articles that are collected on the website. | | | | | | | |
| **Preconditions:** | * N/A | | | | | | | |
| **Post-conditions:** | * **Success:** Display a new page and show all articles for the actor * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks tab “Bài Viết” in the header of the website. | | Redirect the actor to a new page, after the website display all articles about Vietnam’s History with paging  [Exception 1] | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some articles will be corrupted or lose data | | The articles cannot be found and show the error “Error loading media: File could not be played” | | |  |
| **Business Rules:** | Data of the Article that is inside the database must be available. | | | | | | |  |
| **Assumptions:** | Actor’s internet connection is available | | | | | | |  |

## 3.10 View a detailed article

| **ID and Name:** | **UC-10: View a detailed article** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 14/06/2023 | |
| **Primary Actor:** | Member/Moderator/Guest | | | Secondary Actors: | | N/A | |
| **Priority:** | High | | | Frequency of Use: | | Usually | |
| **Trigger:** | The actor wants to view an article in detail. | | | | | | |
| **Description:** | This feature allows the actor to view an article in detail. | | | | | | |
| **Preconditions:** | · N/A | | | | | | |
| **Post-conditions:** | · **Success:** System redirects to a detailed article.  · **Fail:** N/A. | | | | | | |
| **Normal Flow:** |  | **Step** | **Actor Action** | | **System Response** | |  |
| 1 | In the homepage, the actor clicks “Bài Viết” in the header | | The system shows articles (6 articles + titles). | |  |
| 2 | Actor clicks any article. | | The system redirects to the detailed article. | |  |
| **Alternative Flows:** | **N/A** | | | | | | |
| **Exception:** | **N/A** | | | | | | |
| **Assumptions:** | * Actor’s internet connection is available | | | | | | |

## 

## 3.11 Search Articles

| ID and Name: | **UC-11: Search Videos** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Created By: | NhanNQ | | | Date Created: | | 14/06/2023 |  | |
| Primary Actor: | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| Priority: | High | | | Frequency of Use: | | Sometimes |  | |
| Trigger: | The actors indicate that they want to search for articles that they want to watch about Vietnam’s History. | | | | | | | |
| Description: | This feature allows actors to watch articles that they want to watch. | | | | | | | |
| Preconditions: | * N/A | | | | | | | |
| Post-conditions: | * **Success:** Display articles are like keyword actors entered by title. * **Fail:** Display notification “Rất tiếc, chúng tôi không tìm thấy articles với “keyword””. | | | | | | | |
| Normal Flow: |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks tab “Bài Viết” in the header of the website. | | Redirect the actor to a new page, after the website displays 6 articles about Vietnam’s History on each page. | | |  |
| 2 | Click the “search” text box. | |  | | |  |
| 3 | The actors enter keywords of the article title that they want to watch. | | The system shows the actors’ keywords. | | |  |
| 4 | The actors press “Enter” or click “Tìm kiếm”. | | The system shows articles based on the actors’ keywords entered into the search text box  [Exception 1]. | | |  |
| Exceptions |  | No | Cause | | System Response | | |  |
|  | 1 | The system does not have articles that the actors search. | | Display notification “Rất tiếc, chúng tôi không tìm thấy articles với “keyword””. | | |  |
| Business Rules: | * Only 6 articles on each page. * The result articles are responded to by the actor if the keyword is in the title. | | | | | | |  |
| Assumptions: | Actor’s internet connection is available | | | | | | |  |

## 3.12 Filter Articles by Period

## 

| **ID and Name:** | **UC-12: Filter Articles by Period** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 05/06/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Usually |  | |
| **Trigger:** | The actors indicate that they want to filter articles by the period about Vietnam’s History. | | | | | | | |
| **Description:** | This feature allows actors to watch articles about periods that they want to watch about it. | | | | | | | |
| **Preconditions:** | * N/A | | | | | | | |
| **Post-conditions:** | * **Success:** Display articles about a period that the actors selected. * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks the tab “Bài Viết” in the header of the website. | | Redirect the actor to a new page, after the website displays 6 articles about Vietnam’s History on each page. | | |  |
| 2 | Click the filter bar. | | The system dropdown periods. | | |  |
| 3 | The actors select one of the periods. | | The system shows videos related to that period. | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | The system does not have articles that the actors search. | | Display notification “Rất tiếc, chúng tôi không tìm thấy bài viết với “keyword””. | | |  |
| **Business Rules:** | **N/A** | | | | | | |  |
| **Assumptions:** | * Actor’s internet connection is available | | | | | | |  |

## 3.13 View detailed article

| **ID and Name:** | **UC-13: View detailed article** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 23/05/2023 | |
| **Primary Actor:** | Member/Admin/Moderator/Guest | | | Secondary Actors: | | N/A | |
| **Priority:** | High | | | Frequency of Use: | | Usually | |
| **Trigger:** | The actor wants to view an article in detail. | | | | | | |
| **Description:** | This feature allows actors to view an article in detail. | | | | | | |
| **Preconditions:** | · N/A | | | | | | |
| **Post-conditions:** | · **Success:** System redirects to a detailed article.  · **Fail:** N/A. | | | | | | |
| **Normal Flow:** |  | **Step** | **Actor Action** | | **System Response** | |  |
| 1 | On the homepage, the actor clicks “Bài viết” in the header. | | The system shows articles. | |  |
| 2 | Actor clicks any article. | | The system redirects to the detailed article | |  |
| **Alternative Flows:** | N/A | | | | | | |
| **Exception:** | N/A | | | | | | |

## 3.14 Comment in detailed article

| **ID and Name:** | **UC-14: Comment in an article** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 23/05/2023 | |
| **Primary Actor:** | Member | | | Secondary Actors: | | N/A | |
| **Priority:** | Medium | | | Frequency of Use: | | Rarely | |
| **Trigger:** | The actor wants to comment about a certain article. | | | | | | |
| **Description:** | This feature allows actors to comment on a certain article. | | | | | | |
| **Preconditions:** | · Actor must be a member. | | | | | | |
| **Post-conditions:** | · **Success:** The system adds those comments to a certain article.  · **Fail:** N/A. | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | |  |
| 1 | On the homepage, the actor clicks “article” in the header. | | The system shows articles. | |  |
| 2 | Actor clicks any article. | | The system redirects to the detailed article | |  |
| 3 | Actor enters the comment field. | |  | |  |
| 4 | Actor press enter or click the “Gửi” button. | | The system adds comment content. | |  |
| **Alternative Flows:** | **N/A** | | | | | | |
| **Exception:** | **N/A** | | | | | | |

## 3.15 Upload a book

| ID and Name: | **UC-15: Upload a book** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 23/05/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Usually |  | |
| **Trigger:** | The moderator indicates that he/she wants to upload a new book about Vietnam’s History | | | | | | | |
| **Description:** | This feature allows moderators to add a new book into Video component | | | | | | | |
| **Preconditions:** | * The actor must login with the moderator role. | | | | | | | |
| **Post-conditions:** | * N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In page of video, moderators click “Đăng tải sách” | | The system responses a new page to create a new book, includes:   * Title: input text (datatype: string) * Author: input text (datatype: string) * Category: input text (datatype: string) * Description: input text (datatype: string) * PageNumber: input number (datatype: int) * YearOfPublication: input date (datatype: date) * Publisher: input text (datatype: String) * Price: input number (datatype: double) * Cover: input a image of book’s cover (datatype: String) | | |  |
| 2 | Moderators will input these fields, after click button “Đăng sách” | | If uploaded successfully, The website will refresh, the book is added into the database, and the message will be shown “Thêm sách thành công” .[Exception 1] | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while adding a new video are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
| **Business Rules:** | * The video will be uploaded when pieces of information are filled full * Only moderators are able to upload a new video * Moderators are responsible for uploading a new video, avoiding duplicate videos * Videos can only be viewed when added to the database | | | | | | |  |
| **Assumptions:** | * The actor’s internet connection is available. | | | | | | |  |

## 3.16 Update the book

| **ID and Name:** | **UC-16: Update the book** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to update a book about Vietnam’s History | | | | | | | |
| **Description:** | This feature allows moderators to update the book. | | | | | | | |
| **Preconditions:** | * The actor must login with the moderator role. | | | | | | | |
| **Post-conditions:** | * **Success:** A new book is updated into the database and uploaded to the website * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the detailed book, moderators click “Chỉnh sửa” button | | The system displays a new page with data of the old book, includes:   * Title: input text (datatype: string) * Author: input text (datatype: string) * Category: input text (datatype: string) * Description: input text (datatype: string) * PageNumber: input number (datatype: int) * YearOfPublication: input date (datatype: date) * Publisher: input text (datatype: String) * Price: input number (datatype: double) * Cover: input a image of book’s cover (datatype: String) | | |  |
| 2 | Moderators will input these fields, after clicking the button “Lưu” | | If updated successfully, The website will refresh, the book is updated in the database, and the message will be shown “Lưu video thành công”.[Exception 1] | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while updating a new book are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
| **Business Rules:** | * The book will be updated when pieces of information are filled full * Only moderators able to upload a new book * Moderators are responsible for updating a book, avoiding duplicate books. | | | | | | |  |
| **Assumptions:** | The actor’s internet connection is available. | | | | | | |  |

## 3.17 Delete the book

| **ID and Name:** | **UC-17: Delete the book** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to delete a book. | | | | | | | |
| **Description:** | This feature allows moderators to delete a book. | | | | | | | |
| **Preconditions:** | * The actor must login with the moderator role. | | | | | | | |
| **Post-conditions:** | * **Success:** The system display notification “Xóa thành công”. * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the book page, moderators click the “Xóa” on each book. | | The system displays notification “Bạn có chắc chắn muốn xóa không?”. | | |  |
| 2 | Moderators will input these fields, after click button “Có”  [Alternative 1] | | The system displays notification “Xóa thành công”. | | |  |
| **Alternative flow:** |  | No | Cause | | System Response | | |  |
|  | 1 | Moderator will input these fields after clicking the button “Không” | | The system closes the notification. | | |  |
| **Exception:** |  |  |  | |  | | |  |
|  |  |  | If the update video feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * Only moderators can delete a book * Moderators are responsible for deleting a book. | | | | | | |  |
| **Assumptions:** | The actor’s internet connection is available. | | | | | | |  |

## 

## 3.18 Show Books

| **ID and Name:** | **UC-18: View Books** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 23/05/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Usually |  | |
| **Trigger:** | The actor indicates that he/she wants to view Books about Vietnam’s History in a web application. | | | | | | | |
| **Description:** | This feature allows actors to watch or study Vietnam’s History through videos that are collected on the website. | | | | | | | |
| **Preconditions:** | * The data of books in the database is available and up-to-date. | | | | | | | |
| **Post-conditions:** | **Success:**   * The guest user has viewed the book details and gained basic information about the selected book. * The guest user can continue exploring other books or exit the system.   **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the homepage of Vietnam’s History website, the actor clicks the tab “Sách” in the header of the website. | | Redirect the actor to a book preview page or details page, including information such as title, author, cover image, description, and price. And this page has 10 books(paging) about Vietnam’s History on each page.  [Exception 1] | | |  |
|  | 2 | The actor can scroll through the book details and read the description to gain an understanding of the book. | |  | | |  |
|  | 3 | The guest user can choose to navigate back to the book list or search page to explore other books. | |  | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some books will be corrupted or lose data | | The book cannot be found and show the error “Error loading media: File could not be played” | | |  |
| **Business Rules:** | * Data of the Book that is inside the database must be available. | | | | | | |  |
| **Assumptions:** | * Actor’s internet connection is available | | | | | | |  |

## 3.19 Search a book

## 

| **ID and Name:** | **UC-19: Search Historical characters** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 08/06/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The actors indicate that they want to search for a book that they want to reference. | | | | | | | |
| **Description:** | This feature allows actors to view a book that they want to view and reference. | | | | | | | |
| **Preconditions:** | * The book database is available and up-to-date. | | | | | | | |
| **Post-conditions:** | * **Success:** Display books like keyword actors entered by title. * **Fail:** Display notification “Rất tiếc, chúng tôi không tìm thấy sách với “keyword””. | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks the tab “Book” in the header of the website. | | Redirect the actor to a new page, after the website displays 10 books (10 cover images and 10 descriptions) about Vietnam’s History on each page.  Including information such as title, author, cover image, description, and price. | | |  |
| 2 | Click the “search” text box. | |  | | |  |
| 3 | The actors enter keywords of the book title that they want to watch. | | The system shows the actors’ keywords. | | |  |
| 4 | The actors press “Enter” or click “Tìm kiếm”. | | The system shows books based on the actors’ keywords entered into the search text box  [Exception 1]. | | |  |
| **Exceptions** |  | No | Caus | | System Response | | |  |
|  | 1 | The system does not have books that the actors search. | | Display notification “Rất tiếc, chúng tôi không tìm thấy sách với “keyword””. | | |  |
| **Business Rules:** | Only 10 historical characters on each page.  The result books are responded to by the actor if the keyword is in the title. | | | | | | |  |
| **Assumptions:** | * Actor’s internet connection is available | | | | | | |  |

## 

## 3.20 View a book

| **ID and Name:** | **UC-20: View a detailed book** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 08/06/2023 | |
| **Primary Actor:** | Member/Moderator/Guest | | | Secondary Actors: | | N/A | |
| **Priority:** | High | | | Frequency of Use: | | Usually | |
| **Trigger:** | The actor wants to view a book in detail. | | | | | | |
| **Description:** | This feature allows the actor to view a book in detail. | | | | | | |
| **Preconditions:** | · N/A | | | | | | |
| **Post-conditions:** | · **Success:** System redirects to a detailed video.  · **Fail:** N/A. | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | |  |
| 1 | On the homepage, the actor clicks “video” in the header. | | The system shows books(10 books + titles). | |  |
| 2 | Actor clicks any video. | | The system redirects to the detailed video. | |  |
| **Alternative Flows:** | **N/A** | | | | | | |
| **Exception:** | **N/A** | | | | | | |
| **Assumptions:** | * Actor’s internet connection is available | | | | | | |

## 

## 3.21 Search Books

| **ID and Name:** | **UC-21: Search Videos** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | Vunt | | | Date Created: | | 05/06/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The actors indicate that they want to search for the video that they want to watch about Vietnam’s History. | | | | | | | |
| **Description:** | This feature allows actors to watch videos that they want to watch. | | | | | | | |
| **Preconditions:** | * N/A | | | | | | | |
| **Post-conditions:** | * **Success:** The system displays videos like keyword actors entered by title. * **Fail:** The system displays notification “Rất tiếc, chúng tôi không tìm thấy videos với “keyword””. | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks the tab “Video” in the header of the website. | | Redirect the actor to a new page, after the website displays 6 videos about Vietnam’s History on each page. | | |  |
| 2 | Click the “search” text box. | |  | | |  |
| 3 | The actors enter keywords of the video title that they want to watch. | | The system shows the actors’ keywords. | | |  |
| 4 | The actors press “Enter” or click “Tìm kiếm”. | | The system shows videos based on the actors’ keywords entered into the search text box  [Exception 1]. | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | The system does not have videos that the actors search. | | Display notification “Rất tiếc, chúng tôi không tìm thấy videos với “keyword””. | | |  |
| **Business Rules:** | Only 6 videos on each page.  The result jobs are responded to by the actor if the keyword is in the title. | | | | | | |  |
| **Assumptions:** | Actor’s internet connection is available | | | | | | |  |

## 3.22 Upload a video

| **ID and Name:** | **UC-22: Upload a video** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to upload a new video about Vietnam’s History | | | | | | | |
| **Description:** | This feature allows moderators to add a new video to Video component | | | | | | | |
| **Preconditions:** | The actor must log in with the moderator role. | | | | | | | |
| **Post-conditions:** | * The moderator has successfully uploaded the video to the page within the system. * The page is updated to include the newly uploaded video.   **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the page of video, moderators click “Đăng tải video” | | The system responds to a new page to create a new video, which includes:   * Title: input text (datatype: string) * Description: input text (datatype: string) * Url: input a link (Youtube) (datatype: string) * Category: input text (datatype: string) | | |  |
| 2 | The moderator will enter the required details for the video upload, ensuring accuracy and completeness. | |  | | |  |
| 3 | After the moderator clicks the “Đăng video” button | | -The system will save the new video into the database.  -If uploaded successfully, The website will refresh, and the system may notify the moderator of the successful video upload “Thêm video thành công”.  -The system updates the page with the newly uploaded video, refreshes the page, and makes the video available to users who visit the page.  [Exception 1,2] | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while adding a new video are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
|  | 2 | If the upload video feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * The video will be uploaded when pieces of information are filled in full * Only moderators are able to upload a new video * Moderators are responsible for uploading a new video, avoiding duplicate videos * Videos can only be viewed when added to the database | | | | | | |  |
| **Assumptions:** | * The actor’s internet connection is available. | | | | | | |  |

## 3.23 Update the video

| **ID and Name:** | **UC-23: Update the video** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to update a video about Vietnam’s History | | | | | | | |
| **Description:** | This feature allows moderators to update the video. | | | | | | | |
| **Preconditions:** | * The actor must log in with the moderator role. | | | | | | | |
| **Post-conditions:** | * **Success:** A new video is updated into the database and uploaded to the website * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the detailed video, moderators click the button “Chỉnh sửa” | | The system displays a page with data of the old video, gets data in the database to fill the parts below, includes:   * Title: input text (datatype: string) * Description: input text (datatype: string) * Url: input a link (Youtube) (datatype: string) | | |  |
| 2 | Moderator will enter the required details for the video up to the date, ensuring accuracy and completeness. | |  | | |  |
| 3 | After clicking the button “Lưu” | | -The system will save the video with information that is updated in the database.  -If uploaded successfully, The website will refresh, the video is updated in the database, and the message will be shown “Lưu video thành công”.[Exception 1, 2] | | |  |
|  | 4 | The moderator can continue managing other content on the page or navigate to another section of the system. | |  | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while updating a new video are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
|  | 2 | If the update video feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * The video will be updated when pieces of information are filled full * Only moderators able to update a chosen video * Moderators are responsible for updating a video, avoiding formation errors | | | | | | |  |
| **Assumptions:** | Actor’s internet connection is available. | | | | | | |  |

## 3.24 Delete the video

| **ID and Name:** | **UC-24: Delete the video** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to remove a specific video from a page. | | | | | | | |
| **Description:** | This feature allows moderators to delete a video. | | | | | | | |
| **Preconditions:** | * The moderator has logged into the system with their authorized account. * The delete video feature is accessible and functional. | | | | | | | |
| **Post-conditions:** | **Success:**   * The chosen video has been successfully deleted from the page within the system. * The system displays the notification “Xóa thành công”, no longer showing the deleted video.   **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | The moderator accesses the system and navigates to the page containing the video to be deleted. | | The system displays the page content, including the video to be deleted. | | |  |
| 2 | The moderator selects the video to be deleted, and the moderators click the “Xóa” on each video. | | The system presents a confirmation notification “Bạn có chắc chắn muốn xóa không?”. | | |  |
| 3 | The moderator confirms the deletion action by clicking button “Có”  [Alternative 1] | | The system removes the video from the page, and deletes the video file from the server and the database.  The system displays notification “Xóa thành công”. | | |  |
|  | 4 | The moderator can continue managing other content on the page or navigate to another section of the system. | |  | | |  |
| **Alternative flow:** |  | No | Actor Action | | System Response | | |  |
|  | 1 | The Moderator clicks the button “Không”. | | The system does not proceed with deleting the video and returns to the page display without any changes. | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | If the delete video feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * Only moderators are able to delete a video * Moderators are responsible for deleting a video. | | | | | | |  |
| **Assumptions:** | Actor’s internet connection is available. | | | | | | |  |

## 

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## 3.25 Show Videos

| **ID and Name:** | **UC-25: View Videos** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 23/05/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Usually |  | |
| **Trigger:** | The actor indicates that he/she wants to view Videos about Vietnam’s History in a web application. | | | | | | | |
| **Description:** | This feature allows actors to watch or study Vietnam’s History through videos that are collected on the website. | | | | | | | |
| **Preconditions:** | * The page containing the videos is accessible and available within the system. | | | | | | | |
| **Post-conditions:** | * The guest user has successfully viewed the selected video on the page. * The guest user can continue watching other videos on the page or navigate to other sections of the system. | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks the tab “Video” in the header of the website. | | Redirect the actor to a new page, including the list of videos available for viewing. Each video is described by a title, short description.  [Exception 1, 2] | | |  |
|  | 2 | The guest user can scroll through the page to browse the available videos. | |  | | |  |
|  | 3 | The guest user selects a specific video to watch by clicking on it or selecting a play button. | | The system initiates video playback, displaying the video player on the page. | | |  |
|  | 4 | The guest user can choose to watch additional videos on the page or navigate to other sections of the system. | |  | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some videos will be corrupted or lose data | | The videos cannot be found and show the error “Error loading media: File could not be played” | | |  |
|  | 2 | If the show videos feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | Data of the Video that is inside the database must be available. | | | | | | |  |
| **Assumptions:** | Actor’s internet connection is available | | | | | | |  |

## 3.26 View a detailed video

| **ID and Name:** | **UC-26: View a detailed video** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 08/06/2023 | |
| **Primary Actor:** | Member/Moderator/Guest | | | Secondary Actors: | | N/A | |
| **Priority:** | High | | | Frequency of Use: | | Usually | |
| **Trigger:** | The actor wants to view a video in detail. | | | | | | |
| **Description:** | This feature allows the actor to view a video in detail. | | | | | | |
| **Preconditions:** | · N/A | | | | | | |
| **Post-conditions:** | · **Success:** System redirects to a detailed video.  · **Fail:** N/A. | | | | | | |
| **Normal Flow:** |  | **Step** | **Actor Action** | | **System Response** | |  |
| 1 | In the homepage, the actor clicks “video” in the header | | The system shows videos (6 videos + titles). The video is described by title, short description, and the video on Youtube. | |  |
| 2 | Actor clicks any video. | | The system responds to a detailed video page. | |  |
| **Alternative Flows:** | **N/A** | | | | | | |
| **Exception:** | 1 | If the delete video feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Assumptions:** | * Actor’s internet connection is available | | | | | | |

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## 3.27 Search Videos

| ID and Name: | **UC-27: Search Videos** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Created By: | NhanNQ | | | Date Created: | | 05/06/2023 |  | |
| Primary Actor: | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| Priority: | High | | | Frequency of Use: | | Sometimes |  | |
| Trigger: | The actors indicate that they want to search for videos that they want to watch about Vietnam’s History. | | | | | | | |
| Description: | This feature allows actors to watch videos that they want to watch. | | | | | | | |
| Preconditions: | * N/A | | | | | | | |
| Post-conditions: | * **Success:** Display videos are like keyword actors entered by title. * **Fail:** Display notification “Rất tiếc, chúng tôi không tìm thấy videos với “keyword””. | | | | | | | |
| Normal Flow: |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks the tab “Video” in the header of the website. | | Redirect the actor to a new page, after the website displays 6 videos about Vietnam’s History on each page.  Each video is described through the title, video, and short description. | | |  |
| 2 | Click the “search” text box. | |  | | |  |
| 3 | The actors enter keywords of the video title that they want to watch. | | The system shows the actors’ keywords. | | |  |
| 4 | The actors press “Enter” or click “Tìm kiếm”. | | The system shows videos based on the actors’ keywords entered into the search text box  [Exception 1,2]. | | |  |
| Exceptions |  | No | Cause | | System Response | | |  |
|  | 1 | The system does not have videos that the actors search. | | Display notification “Rất tiếc, chúng tôi không tìm thấy videos với “keyword””. | | |  |
|  | 1 | If the delete video feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| Business Rules: | * Only 6 videos on each page. * The result jobs are responded to by the actor if the keyword is in the title. | | | | | | |  |
| Assumptions: | Actor’s internet connection is available | | | | | | |  |

## 3.28 Filter Videos by Period

## 

| **ID and Name:** | **UC-28: Filter Videos by Period** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 05/06/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Usually |  | |
| **Trigger:** | The actors indicate that they want to filter videos by the period about Vietnam’s History. | | | | | | | |
| **Description:** | This feature allows actors to watch videos about periods that they want to watch about it. | | | | | | | |
| **Preconditions:** | * N/A | | | | | | | |
| **Post-conditions:** | * **Success:** Display videos about a period that the actors selected. * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks the tab “Video” in the header of the website. | | Redirect the actor to a new page, after the website displays 6 videos about Vietnam’s History on each page. | | |  |
| 2 | Click the filter bar. | | The system dropdown periods. | | |  |
| 3 | The actors select one of the periods. | | The system shows videos related to that period.[Exception 1, 2] | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | The system does not have videos that the actors search. | | Display notification “Rất tiếc, chúng tôi không tìm thấy videos với “keyword””. | | |  |
|  |  | 1 | If the delete video feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | **N/A** | | | | | | |  |
| **Assumptions:** | * Actor’s internet connection is available | | | | | | |  |

## 3.29 Show Post Article Status

| **ID and Name:** | **UC-29: Show Post Article Status** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | ThienNH | | | Date Created: | | 05/24/2023 | |
| **Primary Actor:** | Member | | | Secondary Actors: | | N/A | |
| **Priority:** | Medium | | | Frequency of Use: | | Usually | |
| **Trigger:** | Actors can monitor the status of that post to see if it was posted successfully or not. | | | | | | |
| **Description:** | This feature allows the actor to see the status of an article to know if the post is successful | | | | | | |
| **Preconditions:** | * The actor must login with the moderator role. | | | | | | |
| **Post-conditions:** | * **Success:** Redirect to manage post page * **Fail:** N/A | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | |  |
| 1 | On the homepage of Vietnam’s History website the actor can click the "Quản lí bài viết" tab. | | * - The system displays a list of posts and has a <Post status> field so that the actor can check the status of the post, with 2 states: * 1 - <Post status> is successful active posts can be seen by anyone visiting the site * 2- <Post status> is fail the post is not active people can't see this post on the website | |  |
| **Business Rules:** | * If the status is successful then the article is active and every visitor to the site can see it. * if the status is failed, the post will hide any website that the visitor cannot see | | | | | |  |
| **Assumptions:** | * The actor’s internet connection is available | | | | | |  |

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## 3.30 Upload a character

| **ID and Name:** | **UC-30: Upload a character** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to upload a new character about Vietnam’s History, a national hero of Vietnam | | | | | | | |
| **Description:** | This feature allows moderators to add a new character into Character component | | | | | | | |
| **Preconditions:** | The actor must log in with the moderator role. | | | | | | | |
| **Post-conditions:** | * **Success:** The moderator has successfully uploaded the new historical character to the character page within the system. * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In page of “Nhân vật”, the moderator clicks “Tạo nhân vật” | | The system responses the necessary details for the historical character to create a new character, includes:   * Thời kỳ: input text (datatype: string) * Tên nhân vật: input text (datatype: string) * Câu chuyện: input text(datatype: string) * Địa vị: input text(datatype: string) * Hình ảnh: input link of image (datatype: string) * Mô tả: input text(datatype: string) | | |  |
| 2 | The moderator enters the required details for the historical character, ensuring accuracy and completeness. | |  | | |  |
|  | 3 | After he/she will click the button “Tạo nhân vật” | | -The system validates the provided information  -If validation is successful, the system processes the character upload request and saves the character information in the database.  .[Exception 1, 2] | | |  |
|  | 4 |  | | The message will be shown “Thêm nhân vật thành công”, refreshes the page, and makes the video available to users who visit the page. | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while adding a new character are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
|  | 2 | If the upload character feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * The character will be uploaded when pieces of information are filled full * Only moderators are able to upload a new character * Moderators are responsible for uploading a new character, avoiding duplicate characters * Characters can only be viewed when added to the database | | | | | | |  |
| **Assumptions:** | * The actor’s internet connection is available. | | | | | | |  |

## 3.31 Update the character

| **ID and Name:** | **UC-31: Update the character** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to update a character about Vietnam’s History | | | | | | | |
| **Description:** | This feature allows moderators to update the character. | | | | | | | |
| **Preconditions:** | * The actor must login with the moderator role. * The character that uploaded is enabled or the link of the character has existed * The character is not duplicate | | | | | | | |
| **Post-conditions:** | * **Success:** A new video is updated into the database and uploaded to the website * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the detailed character, moderators click the button “Chỉnh sửa” | | The system displays a page with data of the old character, gets data in the database to fill the parts below, includes:   * Thời kỳ: input text (datatype: string) * Tên nhân vật: input text (datatype: string) * Câu chuyện: input text(datatype: string) * Địa vị: input text(datatype: string) * Hình ảnh: input link of image (datatype: string) * Mô tả: input text(datatype: string) | | |  |
| 2 | Moderator will enter the required details for the video upload, ensuring accuracy and completeness. | |  | | |  |
| 3 | After clicking the button “Lưu”. | | -The system will save the updated information into the database.  -If updated successfully, The website will refresh, and the message will be shown “Lưu video thành công”.  -Refreshes the page, and makes the video available to users who visit the page.  [Exception 1,2] | | |  |
|  | 4 | The moderator can continue managing other content on the page or navigate to another section of the system. | |  | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while updating a new character are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
|  |  | 2 | The character upload feature is temporarily unavailable or disabled | | System shows the error message: “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * The character will be updated when pieces of information are filled full * Only moderators are able to update a character. * Moderators are responsible for updating a character. | | | | | | |  |
| **Assumptions:** | The actor’s internet connection is available. | | | | | | |  |

## 3.32 Delete the character

| **ID and Name:** | **UC-32: Delete the character** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to delete a character. | | | | | | | |
| **Description:** | This feature allows moderators to delete a character. | | | | | | | |
| **Preconditions:** | * Role: Moderator * The video that uploaded is enabled or the link of the character has existed. | | | | | | | |
| **Post-conditions:** | * **Success:** The system display notification “Xóa thành công”. * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the character page, The moderator chooses a character to remove. | |  | | |  |
| 2 | Click the “Xóa” on each character. | | The system displays the notification “Bạn có chắc chắn muốn xóa không?”. | | |  |
| 2 | The moderator confirms the deletion action by clicking the button “Có”  [Alternative 1] | | The system removes the video from the page, and deletes the video file from the server and the database.  The system displays notification “Xóa thành công”. | | |  |
|  | 4 | The moderator can continue managing other content on the page or navigate to another section of the system. | |  | | |  |
| **Alternative flow:** |  | No | Actor Action | | System Response | | |  |
|  | 1 | The Moderator clicks the button “Không” | | The system does not proceed with deleting the character and returns to the page display without any changes. | | |  |
| **Exception:** |  | No | Cause | | System Response | | |  |
|  | 1 | If the delete character feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * Only moderators are able to delete a character * Moderators are responsible for deleting a character. | | | | | | |  |
| **Assumptions:** | The actor’s internet connection is available. | | | | | | |  |

## 

## 3.33 View Characters

## 

| **ID and Name:** | **UC-33: View Characters** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 08/06/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Usually |  | |
| **Trigger:** | The actors indicate that they want to view historical characters from Vietnam's History. | | | | | | | |
| **Description:** | This feature allows actors to view the historical characters list. | | | | | | | |
| **Preconditions:** | * N/A | | | | | | | |
| **Post-conditions:** | * **Success:** Display historical characters about Vietnam’s history. * **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks the tab “Historical characters” in the header of the website. | | Redirect the actor to a new page, after the website displays 3 historical characters (3 images and 3 descriptions) about Vietnam’s History on each page.  Characters are described by name, period, estate, image, short description. | | |  |
| **Alternative Flow:** | **N/A** | | | | | | |  |
| **Business Rules:** | **N/A** | | | | | | |  |
| **Assumptions:** | * The actor’s internet connection is available | | | | | | |  |

## 3.34 Filter Characters By Period

| **ID and Name:** | **UC-34: Filter Historical Characters by Period** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 05/06/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Usually |  | |
| **Trigger:** | The actors indicate that they want to filter historical characters by the period in Vietnam’s History. | | | | | | | |
| **Description:** | This feature allows actors to watch historical characters about a period that they want to watch about it. | | | | | | | |
| **Preconditions:** | * N/A | | | | | | | |
| **Post-conditions:** | * **N/A** | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of the Vietnam’s History website, the actor clicks the tab “Historical characters” in the header of the website. | | Redirect the actor to a new page, after which the website displays 5 historical characters (each character is described by name, Estate, period, image, and short description) about Vietnam’s History on each page. | | |  |
| 2 | Click the filter bar to search for a filter related to historical periods. | | The system displays the filter that is in the form of a dropdown menu including Vietnam’s historical period. | | |  |
| 3 | The actors select one of the periods that are the desired period by clicking a filter. | | This will trigger the page to update and display only the historical characters from the chosen period. A list of historical characters that match the selected period is shown | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | The system does not have videos that the actors search. | | Display notification “Rất tiếc, chúng tôi không tìm thấy historical characters với “keyword””. | | |  |
| **Business Rules:** | **N/A** | | | | | | |  |
| **Assumptions:** | * The actor’s internet connection is available | | | | | | |  |

## 3.35 Search Character

| **ID and Name:** | **UC-35: Search Historical characters** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 05/06/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The actors indicate that they want to search for a historical character that they want to view, study about Vietnam’s History. | | | | | | | |
| **Description:** | This feature allows actors to watch a historical character that they want to view, read and study. | | | | | | | |
| **Preconditions:** | * N/A | | | | | | | |
| **Post-conditions:** | * **Success:** Display historical characters like keyword actors entered by title. * **Fail:** Display notification “Rất tiếc, chúng tôi không tìm thấy nhân vật với “keyword””. | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks the tab “Historical Character” in the header of the website. | | Redirect the actor to a new page, after the website displays 3 historical characters (3 images and 3 descriptions) about Vietnam’s History on each page. | | |  |
| 2 | Click the “search” text box. | |  | | |  |
| 3 | The actors enter keywords of the historical character title that they want to watch. | | The system shows the actors’ keywords. | | |  |
| 4 | The actors press “Enter” or click “Tìm kiếm”. | | The system shows historical characters based on the actors’ keywords entered into the search text box  [Exception 1]. | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | The system does not have historical characters that the actors search for. | | Display notification “Rất tiếc, chúng tôi không tìm thấy nhân vật lịch sử với “keyword””. | | |  |
| **Business Rules:** | Only 3 historical characters on each page.  The result historical characters are responded to by the actor if the keyword is in the title. | | | | | | |  |
| **Assumptions:** | * The actor’s internet connection is available | | | | | | |  |

## 3.36 View a detailed character

| **ID and Name:** | **UC-36: View a detailed character** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 14/06/2023 | |
| **Primary Actor:** | Member/Moderator/Guest | | | Secondary Actors: | | N/A | |
| **Priority:** | High | | | Frequency of Use: | | Usually | |
| **Trigger:** | The actor wants to view a character in detail. | | | | | | |
| **Description:** | This feature allows the actor to view a character in detail. | | | | | | |
| **Preconditions:** | · N/A | | | | | | |
| **Post-conditions:** | · **Success:** System redirects to a detailed character.  · **Fail:** N/A. | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | |  |
| 1 | On the homepage, the actor clicks “Nhân Vật” in the header. | | The system shows characters(3 titles + 3 images + 3 descriptions). | |  |
| 2 | Actor clicks any character. | | The system redirects to the detailed character. | |  |
| **Alternative Flows:** | **N/A** | | | | | | |
| **Exception:** | **N/A** | | | | | | |
| **Assumptions:** | * The actor’s internet connection is available | | | | | | |

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## 3.37 Upload a historical site

| **ID and Name:** | **UC-37: Upload a historical site** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to upload a new historical site about Vietnam’s History. | | | | | | | |
| **Description:** | This feature allows moderators to add a new Historical site into the Historical site component | | | | | | | |
| **Preconditions:** | The actor must log in with the moderator role. | | | | | | | |
| **Post-conditions:** | * **N/A** | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On page of video, moderators click “Đăng tải di tích” | | The system responses a new page to create a new Historical site, includes:   * Thời kỳ: input text (datatype: string) * Tên di tích: input text (datatype: string) * Vị trí: input text(datatype: string) * Chi tiết: input text(datatype: string) * Hình ảnh: input link of image (datatype: string) * Mô tả: input text(datatype: string) | | |  |
| 2 | Moderator will enter the required details for the historical site upload, ensuring accuracy and completeness. | |  | | |  |
| 3 | After that clicking the button “Đăng di tích” | | The system will save this information into the database. [Exception 1]  If uploaded successfully, The website will refresh, the video is added to the database, and the message will be shown “Thêm di tích thành công”. | | |  |
|  |  | As a moderator, continue to monitor user interactions with the uploaded . | |  | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while adding a new historical site are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
|  | 2 | If the upload historical site feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * The historical site will be uploaded when pieces of information are filled full * Only moderators are able to upload a new historical site * Moderators are responsible for uploading a new historical site, avoiding duplicate historical site * Historical sites can only be viewed when added to the database | | | | | | |  |
| **Assumptions:** | * The actor’s internet connection is available | | | | | | |  |

## 3.38 Update the historical site

| **ID and Name:** | **UC-38: Update the historical site** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to update a historical site about Vietnam’sHistory | | | | | | | |
| **Description:** | This feature allows moderators to update the historical site. | | | | | | | |
| **Preconditions:** | The actor must log in with the moderator role. | | | | | | | |
| **Post-conditions:** | * **N/A** | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the detailed historical site, moderators click button “Chỉnh sửa” | | The system displays a page with data of the old historical site, gets data in the database to fill the parts below, includes:   * Tên di tích: input text (datatype: string) * Vị trí: input text(datatype: string) * Chi tiết: input text(datatype: string) * Hình ảnh: input link of image (datatype: string) * Mô tả: input text(datatype: string) | | |  |
| 2 | Moderator will enter the required details for the video upload, ensuring accuracy and completeness. | |  | | |  |
| 3 | after clicking the button “Lưu” | | If uploaded successfully, The website will refresh, the historical site is updated into the database, and the message will be shown “Lưu video thành công”.[Exception 1,2] | | |  |
|  | 4 | The moderator can continue managing other content on the page or navigate to another section of the system. | |  | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while updating a new historical site are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
|  | 2 | If the update the historical site feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * The historical site will be updated when pieces of information are filled full * Only moderators are able to update a historical site. * Moderators are responsible for updating a historical site, avoiding duplicate historical sites. | | | | | | |  |
| **Assumptions:** | The actor’s internet connection is available. | | | | | | |  |

## 3.39 Delete the historical site

| **ID and Name:** | **UC-39: Delete the historical site** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to delete a historical site. | | | | | | | |
| **Description:** | This feature allows moderators to delete a historical site. | | | | | | | |
| **Preconditions:** | The actor must log in with the moderator role. | | | | | | | |
| **Post-conditions:** | N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the historical site page, The moderator selects the video to be deleted | |  | | |  |
| 2 | The moderator clicks the “Xóa” on each video. | | The system presents a confirmation notification “Bạn có chắc chắn muốn xóa không?”. | | |  |
| 3 | The moderator confirms the deletion action by clicking the button “Có”  [Alternative 1] | | The system removes the video from the page, and deletes the video file from the server and the database.  The system displays notification “Xóa thành công”. | | |  |
|  | 4 | The moderator can continue managing other content on the page or navigate to another section of the system. | |  | | |  |
| **Alternative flow:** |  | No | Actor Action | | System Response | | |  |
|  | 1 | The Moderator clicks the button “Không” | | The system does not proceed with deleting the historical site and returns to the page display without any changes. | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  |  | 1 | If the delete historical site feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * Only moderators are able to delete a historical site * Moderators are responsible for deleting a historical site. | | | | | | |  |
| **Assumptions:** | The actor’s internet connection is available. | | | | | | |  |

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## 

## 3.40 Search Historical sites

| **ID and Name:** | **UC-40: Search Historical site** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The actors indicate that they want to search for a historical site that they want to view, study about Vietnam’s History. | | | | | | | |
| **Description:** | This feature allows actors to watch a historical site that they want to view, read and study. | | | | | | | |
| **Preconditions:** | * N/A | | | | | | | |
| **Post-conditions:** | * **Success:** Display historical sites like keyword actors entered by title. * **Fail:** Display notification “Rất tiếc, chúng tôi không tìm thấy di tích với “keyword””. | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks the tab “Di tích” in the header of the website. | | Redirect the actor to a new page, after the website display 3 historical sites (3 images and 3 descriptions) about Vietnam’s History on each page. | | |  |
| 2 | Click the “search” text box. | |  | | |  |
| 3 | The actors enter keywords of the historical site title that they want to watch. | | The system shows the actors’ keywords. | | |  |
| 4 | The actors press “Enter” or click “Tìm kiếm”. | | The system shows historical sites based on the actors’ keywords entered into the search text box  [Exception 1]. | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | The system does not have historical sites that the actors search. | | Display notification “Rất tiếc, chúng tôi không tìm thấy di tích với “keyword””. | | |  |
| **Business Rules:** | Only 3 historical sites on each page.  The result of the historical site is responded to by the actor if the keyword is in the title. | | | | | | |  |
| **Assumptions:** | * Actor’s internet connection is available | | | | | | |  |

## 3.41 View a detailed historical site

| **ID and Name:** | **UC-41: View a detailed historical site** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 14/06/2023 | |
| **Primary Actor:** | Member/Moderator/Guest | | | Secondary Actors: | | N/A | |
| **Priority:** | High | | | Frequency of Use: | | Usually | |
| **Trigger:** | The actor wants to view a historical site in detail. | | | | | | |
| **Description:** | This feature allows the actor to view a historical site in detail. | | | | | | |
| **Preconditions:** | · N/A | | | | | | |
| **Post-conditions:** | · **Success:** System redirects to a detailed historical site.  · **Fail:** N/A. | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | |  |
| 1 | On the homepage, the actor clicks “Di Tích” in the header. | | The system shows historical sites(3 titles + 3 images + 3 descriptions). | |  |
| 2 | Actor clicks any historical site. | | The system redirects to the detailed historical site. | |  |
| **Alternative Flows:** | **N/A** | | | | | | |
| **Exception:** | **N/A** | | | | | | |
| **Assumptions:** | * Actor’s internet connection is available | | | | | | |

## 3.42 Upload a historical item

| **ID and Name:** | **UC-42: Upload a historical item** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to upload a new historical item about Vietnam’s History. | | | | | | | |
| **Description:** | This feature allows moderators to add a new Historical item into the historical item component | | | | | | | |
| **Preconditions:** | The actor must log in with the moderator role. | | | | | | | |
| **Post-conditions:** | A new Historical site is added to the database and uploaded to the website | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the page of video, moderators click “Đăng tải di vật” | | The system responses a new page to create a new historical item, includes:   * Thời kỳ: input text (datatype: string) * Tên cổ vật: input text (datatype: string) * Chi tiết: input text(datatype: string) * Hình ảnh: input link of image (datatype: string) * Mô tả: input text(datatype: string) | | |  |
| 2 | Moderator will enter the required details for the video upload, ensuring accuracy and completeness. | |  | | |  |
| 2 | after clicking the button “Thêm di tích” | | -The system will save the new video into the database.  -If uploaded successfully, The website will refresh, and the system may notify the moderator of the successful video upload “Thêm di vật thành công”.  -The system updates the page with the newly uploaded video, refreshes the page, and makes the video available to users who visit the page.  [Exception 1,2] | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while adding a new historical item are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
|  | 2 | If the upload a historical item feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * The historical site will be uploaded when pieces of information are filled full * Only moderators are able to upload a new historical site * Moderators are responsible for uploading a new historical site, avoiding duplicate historical items. * Historical sites can only be viewed when added to the database | | | | | | |  |
| **Assumptions:** | * Actor’s internet connection is available. | | | | | | |  |

## 3.43 Update the historical item

| **ID and Name:** | **UC-43: Update the historical item** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to update a historical site about Vietnam’s History | | | | | | | |
| **Description:** | This feature allows moderators to update the historical item. | | | | | | | |
| **Preconditions:** | The actor must log in with the moderator role. | | | | | | | |
| **Post-conditions:** | A new historical item is updated into the database and uploaded to the website | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the detailed historical item, the moderator clicks to choose the historical item that will be updated. | | The system displays a page with data of the old historical item, gets data in the database to fill the parts below, includes:   * Thời kỳ: input text (datatype: string) * Tên di vật: input text (datatype: string) * Chi tiết: input text(datatype: string) * Hình ảnh: input link of image (datatype: string) * Mô tả: input text(datatype: string) | | |  |
| 2 | Moderator will enter the required details for the historical item update, ensuring accuracy and completeness. | |  | | |  |
| 3 | click the button “Lưu” | | -The system will save the updated historical item into the database.  -If updated successfully, The website will refresh, and the system may notify the moderator of the successful video upload “Cập nhật di vật thành công”.  -The system updates the page with the newly updated historical item, refreshes the page, and makes the historical items available to users who visit the page. | | |  |
| 4 | The moderator can continue managing other content on the page or navigate to another section of the system. | |  | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | Some fields while updating a new historical item are empty | | System shows the error message: “Thông tin bắt buộc, vui lòng nhập lại”. | | |  |
|  | 2 | If the update historical item feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * The historical item will be updated when pieces of information are filled full * Only moderators are able to update a historical item. * Moderators are responsible for updating a historical item, avoiding duplicate historical items. | | | | | | |  |
| **Assumptions:** | The actor’s internet connection is available. | | | | | | |  |

## 3.44 Delete the historical item

| **ID and Name:** | **UC-44: Delete the historical item** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | VuNT | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | Medium | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The moderator indicates that he/she wants to delete a historical item. | | | | | | | |
| **Description:** | This feature allows moderators to delete a historical item. | | | | | | | |
| **Preconditions:** | * The actor must login with the moderator role. * The historical item that deleted is enabled or the link of the historical item has existed | | | | | | | |
| **Post-conditions:** | N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | In the historical item page, The moderator selects the historical item to be deleted | |  | | |  |
| 2 | The moderator clicks the “Xóa” on each historical item. | | The system presents a confirmation notification “Bạn có chắc chắn muốn xóa không?”. | | |  |
| 3 | The moderator confirms the deletion action by clicking the button “Có”  [Alternative 1] | | The system removes the video from the page, and deletes the video file from the server and the database.  The system displays notification “Xóa thành công”. | | |  |
|  | 4 | The moderator can continue managing other content on the page or navigate to another section of the system. | |  | | |  |
| **Alternative flow:** |  | No | Cause | | System Response | | |  |
|  | 1 | The Moderator clicks the button “Không”. | | The system does not proceed with deleting the video and returns to the page display without any changes. | | |  |
| **Exception:** |  | No | Cause | | System Response | | |  |
|  |  | 1 | If the delete the historical item feature is temporarily unavailable or disabled | | The system displays a message “Hệ thống đang bận, vui lòng thử lại sau”. | | |  |
| **Business Rules:** | * Only moderators are able to delete a historical item * Moderators are responsible for deleting a historical item. | | | | | | |  |
| **Assumptions:** | The actor’s internet connection is available. | | | | | | |  |

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## 3.45 Search Historical items

| **ID and Name:** | **UC-45: Search Historical items** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 14/06/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The actors indicate that they want to search for a historical item that they want to view, study about Vietnam’s History. | | | | | | | |
| **Description:** | This feature allows actors to watch a historical item that they want to view, read and study. | | | | | | | |
| **Preconditions:** | * N/A | | | | | | | |
| **Post-conditions:** | * **Success:** Display historical items like keyword actors entered by title. * **Fail:** Display notification “Rất tiếc, chúng tôi không tìm thấy di vật với “keyword””. | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On the homepage of Vietnam’s History website, the actor clicks the tab “Di vật” in the header of the website. | | Redirect the actor to a new page, after the website display 3 historical items(3 images and 3 descriptions) about Vietnam’s History on each page. | | |  |
| 2 | Click the “search” text box. | |  | | |  |
| 3 | The actors enter keywords of the historical item title that they want to watch. | | The system shows the actors’ keywords. | | |  |
| 4 | The actors press “Enter” or click “Tìm kiếm”. | | The system shows historical items based on the actors’ keywords entered into the search text box  [Exception 1]. | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | The system does not have historical items that the actors search. | | Display notification “Rất tiếc, chúng tôi không tìm thấy di vật với “keyword””. | | |  |
| **Business Rules:** | * Only 3 historical items on each page. * The result historical items are responded to by the actor if the keyword is in the title. | | | | | | |  |
| **Assumptions:** | * The actor’s internet connection is available | | | | | | |  |

## 3.46 View a detailed historical item

| **ID and Name:** | **UC-46: View a detailed historical item** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 14/06/2023 | |
| **Primary Actor:** | Member/Moderator/Guest | | | Secondary Actors: | | N/A | |
| **Priority:** | High | | | Frequency of Use: | | Usually | |
| **Trigger:** | The actor wants to view a historical item in detail. | | | | | | |
| **Description:** | This feature allows the actor to view a historical item in detail. | | | | | | |
| **Preconditions:** | · N/A | | | | | | |
| **Post-conditions:** | · **Success:** System redirects to a detailed historical item.  · **Fail:** N/A. | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | |  |
| 1 | On the homepage, the actor clicks “Di Vật” in the header. | | The system shows historical items (3 titles + 3 images + 3 descriptions). | |  |
| 2 | Actor clicks any historical item. | | The system redirects to the detailed historical item. | |  |
| **Alternative Flows:** | **N/A** | | | | | | |
| **Exception:** | **N/A** | | | | | | |
| **Assumptions:** | * The actor’s internet connection is available | | | | | | |

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## 3.47 Change avatar

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| **ID and Name:** | **UC-47: Filter Videos by Period** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 08/06/2023 |  | |
| **Primary Actor:** | Guess, members, moderators | | | Secondary Actors: | | N/A |  | |
| **Priority:** | High | | | Frequency of Use: | | Sometimes |  | |
| **Trigger:** | The actors indicate that they want to change their avatar by uploading a photo. | | | | | | | |
| **Description:** | This feature allows actors to change their avatars. | | | | | | | |
| **Preconditions:** | * Member or Moderator logged in the system. | | | | | | | |
| **Post-conditions:** | **Success:**   * Display the new avatar of the user. * The updated avatar is displayed consistently across the web application wherever the user's avatar is shown.   **Fail:** N/A | | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | | |  |
| 1 | On every page of Vietnam’s History website, the actor moves to the actor’s avatar and clicks edit profile in the drop-down list. | | Redirect the actor to a new page, after the website displays an edit profile page. | | |  |
| 2 | Click the change avatar icon. | | The system will show a screen to the actor can choose an image which wants to edit Avatar | | |  |
| 3 | The actors select an image | | The web application updates the user's profile with the new avatar.  [Exception 1] | | |  |
| **Exceptions** |  | No | Cause | | System Response | | |  |
|  | 1 | The size of the image is larger than 2MB. | | Display notification “Kích thước ảnh lớn hơn 2MB”. | | |  |
| **Business Rules:** | * The size of the image must less than 2MB | | | | | | |  |
| **Assumptions:** | * The actor’s internet connection is available | | | | | | |  |

## 3.48 Ban and Unban User

| **ID and Name:** | **UC-48: Ban and Unban User** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | TaiNHT | | | Date Created: | | 14/06/2023 | |
| **Primary Actor:** | Admin | | | Secondary Actors: | | N/A | |
| **Priority:** | High | | | Frequency of Use: | | Usually | |
| **Trigger:** | The admin wants to ban or unban user | | | | | | |
| **Description:** | This feature allows the admin to ban or unban the user’s account for 24 hours, 7 days, 30 days… | | | | | | |
| **Preconditions:** | · Admin logged in the system | | | | | | |
| **Post-conditions:** | · Ban: The user’s account was banned and they can’t log in to the system  Unban: The user’s account was unbanned and they can log in to the system | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | |  |
| 1 | Admin access to the user list in the system | |  | |  |
| 2 | Admin choose the user’s account need to ban or unban | |  | |  |
|  |  | 3 | Admin enter the reason for banning the account. With unban don’t have to stop this. | |  | |  |
|  |  | 4 | Admin clicks “ Xác nhận “ | | The system will ban/uban the user’s account, the account can’t log in/ log in to the system. | |  |
| **Alternative Flows:** | **N/A** | | | | | | |
| **Exception:** | **N/A** | | | | | | |
| **Assumptions:** | * The actor’s internet connection is available | | | | | | |

## 3.49 Update Role

| **ID and Name:** | **UC-49: Update Role** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | TaiNHT | | | Date Created: | | 14/06/2023 | |
| **Primary Actor:** | Admin | | | Secondary Actors: | | N/A | |
| **Priority:** | High | | | Frequency of Use: | | Usually | |
| **Trigger:** | The admin wants to update the role in the system for the user | | | | | | |
| **Description:** | This feature allows admins to update member from user to moderator and vice versa | | | | | | |
| **Preconditions:** | ·The actor must login with the admin role. | | | | | | |
| **Post-conditions:** | · The user’s account has the new role in the system | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | |  |
| 1 | The actor logs in the system with an admin role. | | The system shows the user list. | |  |
| 2 | Admin clicks the “Thay đổi role” button. | | The system pops up a role list. | |  |
|  |  | 3 | Admin chooses role moderator or member and clicks “Xác Nhận”. | | The user has been notified about the change of role and is saved into the database. | |  |
| **Alternative Flows:** | **N/A** | | | | | | |
| **Exception:** | **N/A** | | | | | | |
| **Assumptions:** | * The actor’s internet connection is available | | | | | | |

## 3.50 Browse requested article

| **ID and Name:** | **UC-50: Browser requested article** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By:** | NhanNQ | | | Date Created: | | 19/06/2023 | |
| **Primary Actor:** | Moderator | | | Secondary Actors: | | N/A | |
| **Priority:** | High | | | Frequency of Use: | | Sometimes | |
| **Trigger:** | The moderators browse request articles from members. | | | | | | |
| **Description:** | This feature allows moderators to accept or deny request articles from members | | | | | | |
| **Preconditions:** | The user must have a moderator role. | | | | | | |
| **Post-conditions:** | The articles are posted on the article page if it is accepted by the moderator. Otherwise, the articles are removed. | | | | | | |
| **Normal Flow:** |  | Step | Actor Action | | System Response | |  |
| 1 | Moderator access to “Duyệt bài viết” page. | | The system shows a requested article list. | |  |
| 2 | Moderator clicks the “Phê duyệt” button.  **[Alternative 1**] | | The article is posted on the “Bài viết” page and is saved into the database. | |  |
| **Alternative Flows:** | | **Step** | **Actor action** | **System response** | | --- | --- | --- | | 1 | Moderator clicks the “Từ chối” button. | The article is removed. | | | | | | | |
| **Exception:** | **N/A** | | | | | | |
| **Assumptions:** | * Moderator is logged into the user account management system and has the right to update user access * The actor’s internet connection is available. | | | | | | |

## 

## NON-FUNCTIONAL Requirements

## Usability

* The content of the page, labels, and notifications for end users should be written in Vietnamese.
* The web application should be friendly and easy for end users to use without training.
* With moderators, administrators only need about 1 day of training for using all features of their role.
* Search is available on every page, not just the Home page.

## Reliability

* The page should handle errors and exceptions gracefully, providing informative error messages and appropriate fallback mechanisms.
* Critical bugs such as loss of data are not available.

## Performance

* The web page should load quickly to provide a seamless user experience. End user requests to search Vietnam History will take no more than 3.0 seconds.
* Expected number of simultaneous users should be at least 500. System should be able to deal with 500 users at the same time. Also the database of the system should handle at least a thousand of users at any time without a significant degradation in performance.
* The web page should be optimized for various network conditions, including low bandwidth or high latency connections.