# RHQ - ResourcesHQ

| The Problem of | Unavailability of resources for students |
|---|---|
| Affects | All university students |
| The impact of which | Creates difficulty in education and preparation for quizzes, tests and exams. |
| A successful solution would be | An online resources hub for all university students, where each student and teachers can exchange and collaborate by sharing good resources, including past papers, additional books, lecture notes, study guides and video lectures. Students can also browse other interests to prepare for extra courses on their own, or view different categories for more management using tags. It will also allow more interactions between students of different sections, using comment systems and group creation. |

## Envisioned Features

1. Login and Registration
2. Browsing
    a. Browse Common Resources
    b. Search For Specifics
3. Upload Files
4. Download Files
5. Collaborate
    a. Study Groups
    b. Teacher chats
    c. Sharing
6. Categorization
    a. Course Categories
    b. File Type Categories
    c. Bookmarks
7. Feedback
    a. Likes and Dislikes
    b. Comments
    c. Reports

# User Stories

## Feature: <u>Login Validation</u>

### Login

***User Story: Login for Admin***

As a university admin, I want to ensure only university students access this portal, so that privacy is ensured and resources are not leaked.

**Acceptance Criteria:**

Given that admin has valid login credentials,

When admin logs in,

Then he can check the validity of the student.

***User Story: Login for Teacher***

As a university Teacher, I want to securely log in to the university system. So that I can access the portal and upload new course materials, and other relevant resources.

**Acceptance Criteria:**

Given that the teacher is from university and has valid id.

When teacher enters login details,

Then allow them access to the resources.

***User Story: Login for Student***

As a university student, I want to securely log in to the university system. So that I can access my personalized information, course materials, and other relevant resources.

**Acceptance Criteria:**

Given that the student is from university and has a valid id.

When student enters login details,

Then allow him access to the resources.

### Register

***User Story: Register for Student***

As a new student, I want to be able to register, So that I can access resources shared on the portal.

**Acceptance Criteria:**

Given the student is on the login/register page,

When the student clicks on the "Register" link,

Then the user should be taken to the registration form.

***User Story: Register for Teacher***

As a teacher, I want to register for an account, So that I can access teaching materials, communicate with students, and manage my courses.

**Acceptance Criteria:**

Given that I have submitted the registration form,

When my email address is not already registered in the system,

Then I should receive a verification email to confirm my registration.

### *User Story: Register for Admin*

As an Admin, I want to be able to allow who can have access, So that I can only let the university students and faculty access the portal.

**Acceptance Criteria:**

Given that the admin gets a list of new registration requests,

When the admin clicks on weather to allow that role to join,

Then that user should be able to access their portal.

## Feature: Browsing

### *User Story: Browsing*

As a university student, I want to easily browse the university system's interface, so that I can look around for the information and tools I need, such as course schedules, library resources, and student support services.

**Acceptance Criteria:**

Given that I am a student using the university system,

When I reach the portal main page,

Then I expect to see common stuff in front, facilitating quick access to desired information or tools.

### *User Story: Searching*

As a university student, I want to easily search through the database, so that I can look for the specific information and tools I need, such as course schedules, library resources, and student support services.

**Acceptance Criteria:**

Given that I am a student using the university system,

When I enter some search keywords and search,

Then I expect to see related resources in front.

## Feature: Uploading

### *User Story: Upload for Student*

As a university student, I want to upload assignments, project files, and other documents to the university system, so that I can submit them electronically to my professors and collaborate with classmates on group projects.

**Acceptance Criteria:**

Given that I am a student collaborating on group projects,

When I upload a document intended for sharing with classmates,

Then I expect options to specify access permissions, such as allowing specific classmates or groups to view and edit the document.

***User Story: Upload for Teacher***

As a university teacher, I want to upload study guides and notes so that students can access and prepare for the exams.

**Acceptance Criteria:**

Given that I am a university teacher uploading study materials,

When I select a file to upload,

Then I expect the system to support various file formats commonly used for study materials, such as PDF, DOCX, or PPT.

# Feature: Downloading

***User Story: Download for Student***

As a Student, I want to download files and notes, so that I am able to access them offline.

**Acceptance Criteria:**

Given that student has some file open and has internet access and memory,

When he clicks on download

Then it is installed on his device.

***User Story: Download for Teacher***

As a Teacher, I want my students to have access to my lecture notes offline, so that they can study even with internet issues.

**Acceptance Criteria:**

Given that student has some file open and has internet access and memory,

When he clicks on download

Then it is installed on his device.

# Feature: Collaboration

Study Groups

***User Story: Study Groups for Student***

As a Student, I want to join different courses study groups, so that I can chat with other students and seniors for advice or resources.

**Acceptance Criteria:**

Given that student is studying or has studied a course,

When he requests to join the group

Then he is allowed access to chat in that group.

***User Story: Study Groups for Admin***

As an admin, I want the study groups to be monitored and moderated, so that it encourages a healthy conversation and a helpful environment for useful discussion.

**Acceptance Criteria:**

    Given that Admin is moderator for a study group,

    When he finds inappropriate or unsuitable messages

    Then he can delete those messages, or remove those students.

## Teacher Chat

***User Story: Teacher Chat for Student***

As a Student, I want to be able to chat with teachers, so that I can request new material and notes from teachers.

**Acceptance Criteria:**

    Given that the student is logged in,

    When they message a teacher

    Then the teacher can see their messages and respond.

***User Story: Teacher Chat for Teachers***

As a teacher, I want a way to chat to students, so that I can provide students answers for questions and responses.

**Acceptance Criteria:**

    Given that Teacher has chat request,

    When they click on a chat with some student,

    Then they can read those messages, and respond.

## Sharing

***User Story: Sharing Links for Students***

As a university student, I want to share these resources externally(outside the portal) so that other students can be reminded and directed to the uploaded resources.

**Acceptance Criteria:**

    Given the student has shared a particular resource via a link to another student.

    When the other student clicks on the link.

    Then they should be directed to that particular resource after valid login on the portal.

# Feature: Feedback

## Comments

***User Story: Commenting from Students***

As a university student, I want to comment underneath a resource so that I can tell other students the general idea of the resource, or provide feedback/correction to the student who uploaded the resource.

**Acceptance Criteria:**

    GIVEN the student has gone through a resource.

    WHEN the student gives their feedback,or recommendations in the comments.

THEN other students can view and review the recommendations in the comments for a general idea of the usefulness of the resource.

## Likes and Dislikes

### User Story: Liking and Disliking from Students

As a university student, I want to be able to like or dislike a particular resource so that I can acknowledge the usefulness and the overall quality of a particular resource.

**Acceptance Criteria:**

GIVEN the student has gone through a resource and the resource is helpful/useful to the student.

WHEN the student likes that particular resource.

THEN other students can view that like in order to form their impressions on that particular resource.

## Reports

### User Story: Reporting for Students

As a student, I want to report inappropriate or irrelevant resources, so that community guidelines are not violated and moral standards can be maintained on the portal.

**Acceptance Criteria:**

Given that the student has gone through a particular resource and found it irrelevant or inappropriate.

When they report that particular resource.

Then that report should be displayed to the admin to investigate that particular resource in order to maintain community guidelines.

### User Story: Reporting for Admin

As an Admin, I want to see reported resources, so that I can remove them and maintain the guidelines of the portal.

**Acceptance Criteria:**

Given that the admin sees a reported resource.

When they go through that resource and don't find it according to the guidelines.

Then they can delete those resources and might warn the student who uploaded it.

# Feature: <u>Categorization</u>

## Course Categories

### User Story: Course Categories for Students

As a student, I want different courses to have different pages so that I can view resources of that particular course which I want more easily.

**Acceptance Criteria:**

Given that the student is part of a course.

When they click on that course page

Then they should be able to find all the related resources of that course.

## Tags and File Categories

### *User Story: File Categories for Students*

As a student, I want separation of lecture notes, quizzes, past papers etc. so that I can view properly organized resources of that type.

**Acceptance Criteria:**

Given that the student is in a course page.

When they click on a particular tag.

Then they should be able to find all the related resources of this type.

### *User Story: File Categories for Teachers*

As a teacher, I want to properly categorize the resources so that my students view properly organized resources of a particular course/category for their ease.

**Acceptance Criteria:**

Given that there are a set of related resources.

When I create a particular tag and place the related resources under that tag.

Then those resources should appear underneath that tag to my students for better organization of resources.

## Bookmarks

### *User Story: Bookmarks for Students*

As a student, I want to bookmark certain resources so that I can view those bookmarked resources with easy access later.

**Acceptance Criteria:**

Given that the student has bookmarked a particular resource.

When they search the bookmarks category.

Then they should be able to find all the bookmarked resources under this bookmarks category.

# Roles

**Product Owner**:  Hamza Khalid

As Product Owner, I will define the project's goal, the client's vision and create a proper backlog for proper progress of the project. Each sprint I will decide what to add or remove and how to progress further with the project features.
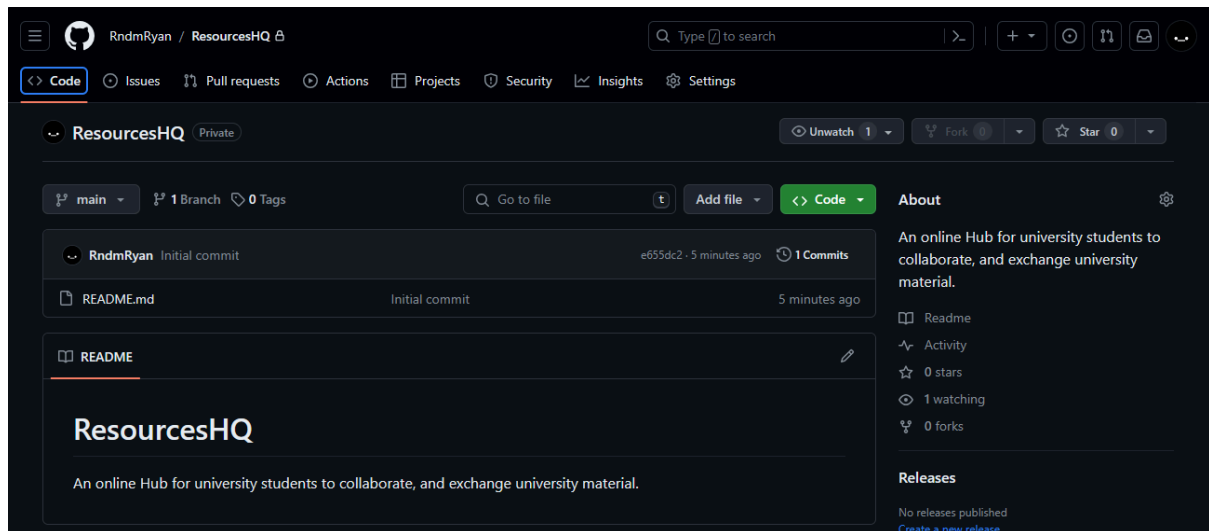
**Scrum Master**:  Rayyan M. Zia

As Scrum Master, I will look over the scrum team, keeping check on their progress and guiding them and watching if they adhere to the guidelines. I will create an environment to facilitate rapid development and improvement, and not let them get distracted by product owner requests.

**Scrum Team**:  Qahafa Ahmed, Rayyan Zia, Hamza Khalid

As part of the scrum team, we will collaborate and develop, design and test a complete product adhering to the Scrum Master guidelines and the product owner's feature requirements. We will take ownership of what we have developed together, and work together to make a fully functional and shippable product.
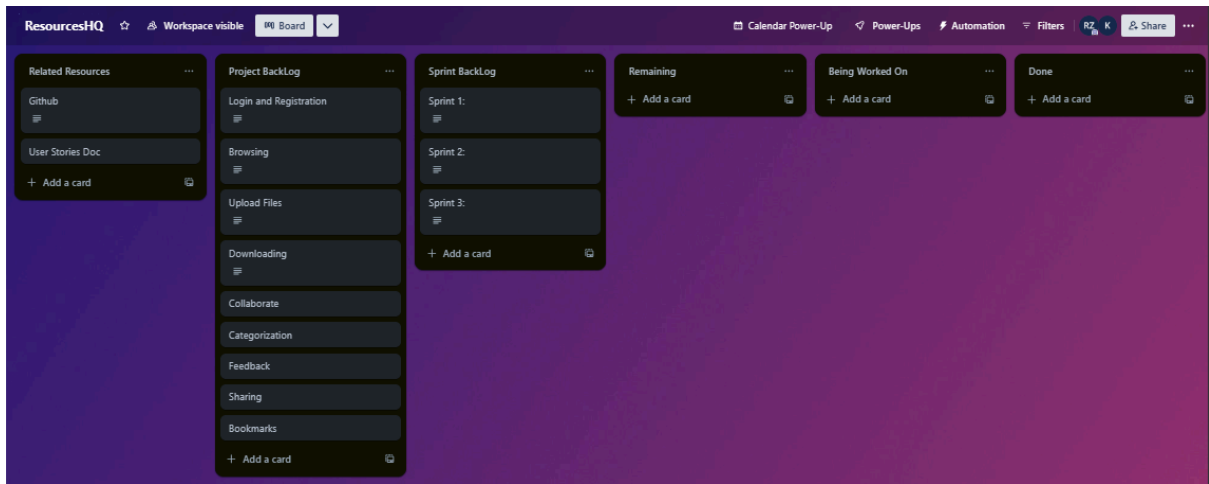
# GitHub repository

RndmRyan/ResourcesHQ: An online Hub for university students to collaborate, and exchange university material. (github.com)



# TRELLO board

**Snapshot 1**: showing all necessary cards for product backlog, sprint backlog and related resources

**Snapshot 2**: show 1 of 3 sprints