

Veer Narmad South Gujarat University ,Surat

**Department of Information and
Communication Technology
B.Sc. (Information Technology)**

Project Report

6th semester

**M.Sc. (Information Technology)
5 year Integrated Course
year 2020-2021**

IRH : Islamic Resource Hub

Guided by :

Dr. Pushpal Desai (Internal)

Miss. Bhakti Parmar (External)

Submitted by :

Poorvi Badkas

Roll No :: 003 (Div : A)

Company :: CoderKube Technologies

202, Start Arcade, Opp. SGCCI , Nanpura, Surat, Gujarat

Veer Narmad South Gujarat University, Surat.

Department of Information and Communication Technology

B.Sc. (Information Technology)

Certificate

This is to certify that Mr./Ms. Badkas Poorvi B., with Exam Seat Number: 103 has worked on his/her project work entitled IRH : Islamic Resource Hub at CoderKube Technologies as a partial fulfillment of the requirements for 6th Semester - B.Sc. (Information Technology) [M.Sc. (Information Technology) - 5 Year Integrated course], during the academic Year 2020-2021.

Date : 1.7.2021

Place : Surat

Internal Project Guide
M.Sc.(I.T.) 6th Semester
Department of I.C.T.
Veer NarmadSouth Gujarat University,
Surat

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Joining Report



202, Star Arcade,
Opp. Southern Gujarat Chamber Of
Commerce And Industries, 395001,
Nanpura, Surat, Gujarat.

Joining Report

With regards to **Miss Poorvi Badkas** she was appointed as **PHP Intern** and joined **CoderKube Technologies** on **02/12/2021** and her last working date was **31/05/2021**. During her tenure, she have worked on **PHP & Laravel framework** and was sincere and hardworking during her whole internship period further she was mentored under **Miss Bhakti Parmar**.

We wish her all the best for her future endeavours.

A handwritten signature in blue ink that reads "Roomani".

Regards,

Priyanka Singh & Roomani Adajania

Human Resource Department

CoderKube Technologies



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Nanpura, Surat, Gujarat.

STUDENT NON-DISCLOSURE AGREEMENT

This Agreement is made and entered into by and between **CoderKube Technologies** and **Miss Poorvi Badkas** for the purpose of receiving certain confidential information of Company to enable the Student to undertake the project described at the end of this Agreement ("Project").

Company and Student hereby agree as follows:

1. "Confidential Information" means proprietary and confidential information of Company marked or identified as such in accordance with Section 2 below.
2. To be treated as Confidential Information, any information provided by Company to Student in tangible form shall be marked "Proprietary and Confidential" or similar markings. Information disclosed orally must be identified orally as confidential at the time of disclosure and summarized in writing within 30 days of disclosure.
3. No information will be Confidential Information that: (i) is already known to Student, or (ii) is or becomes publicly known through no wrongful act of Student, or (iii) is received by Student from a third party without similar restrictions and without breach of this Agreement.
4. Except as provided herein, Student will not disclose any Confidential Information to any other person. Student will not use any Confidential Information other than in connection with the Project.
5. Student may disclose Confidential Information (i) to other students who have executed non-disclosure agreements with Company, (ii) in response to the lawful request or requirement of a governmental agency or by requirement of law, and (iii) to the faculty member supervising the Project, provided that faculty member has signed a non-disclosure agreement with Company.
6. Company understands that to complete the requirements of the course in which he or she is enrolled, Student must give a substantive presentation concerning the Project to an audience that will not have signed non-disclosure agreements, and that such presentation will include information about the Company. Company will work with Student to prevent the inclusion of Confidential Information in the presentation and any written materials prepared by the Student.
7. All Confidential Information delivered by Company to Student will be and remain property of Company. All Confidential Information, and any copies thereof, will be promptly returned to Company or destroyed by Student upon Company's request.



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8. This Agreement may not be modified except by written instrument signed on behalf of each party. Either party may assign this Agreement to a parent corporation, to a wholly owned subsidiary or a successor of substantially all of the business or assets of the party. This Agreement embodies the entire agreement and understanding of the parties and terminates and supersedes all prior independent agreements and understandings between the parties. The provisions of this Agreement shall be construed in accordance with the laws of the state of **Gujarat**. All notices, request for consents given in connection with this Agreement shall be given in writing and sent by first class mail, postage prepaid, telegram, teletype, telex, cable or email to the addresses listed at the end of this Agreement, unless either party notifies the other party of a different address.

Description of Project:

Islamic Resource Hub project using PHP and Laravel technology.

Student's Signature



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ACKNOWLEDGEMENT

I have an opportunity to express my gratitude today. We take this occasion with much pleasure to thank all the people who have helped me throughout the course of our journey towards producing this project. I sincerely thank my project guide **Dr.Pushpal Desai (Internal)** and **Miss.Bhakti Parmar (External)** for their guidance, help and motivation.

Apart from the subject of our project, I learnt a lot from them, which I am sure, will be useful to me in different stages of my life. I would like to express my gratitude to them for much help with the project design and methodology, and for review and many helpful comments.

I am equally grateful for the highly productive experience that I had during my internship at **CoderKube Technologies** as PHP/Laravel Development intern. It was an honour for me to be working with them.

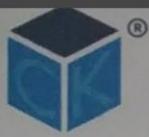
I would also like to acknowledge all the friends and colleagues for their help and encouragement for time to time. The project indeed gave me challenging and exhilarating experience in developing the required system.

Thanking You,
Poorvi Badkas (103)

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Company Profile



**CODERKUBE
TECHNOLOGIES**

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Company Profile

CoderKube is a full-service software development company based in Surat (Gujarat), India. With over 5+ years of experience in software development, we provide a plethora of services including mobile applications development, web design and development, e-commerce solutions, to name just a few of our offerings.

Housing some of the best professionals in the industry we stay at the forefront of technology to build innovative digital products that meet client requirements across multiple business verticals and domains.

We keep current with the latest mobile and web development technologies to excel in transforming concepts to design, concluding with full implementations. And as technology advances, we evolve too.

Regards,

Priyanka Singh & Roomani Adajania

Human Resource Department

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1.2 Project Profile ::

- Project Title : IRH – Islamic Resource Hub
- Project Definition : IRH :: Islamic Resource Hub is the one-stop platform for sharing Islamic learning materials. Share your own resources or download resources made by others. You'll find a wide variety of learning material that ranges from PowerPoint presentations to quizzes. What's better yet is that it's all for free.
- Project By : Badkas Poorvi B.
- Company : CoderKube Technologies
- Guided : DR. Pushpal Desai
Miss. Bhakti Parmar

2. Proposed system

2.1 Scope ::

IRH :: Islamic Resource Hub is the one-stop platform for sharing Islamic learning materials. Share your own resources or download resources made by others. You'll find a wide variety of learning material that ranges from PowerPoint presentations to quizzes. What's better yet is that it's all for free.

There are 4 type of users in IRH as follows ::

Admin ::

Admin handles all administrator level operations. They will be able to do all the things verified user can do. In addition to this, they will be able to approve resources, edit other users' resource, delete resources off the website, give warning to users for misconduct and block a user's account. They can approve any user as a verified user, moderator or admin. They can manage site content like header images , testimonials, categories, tags and many more.

User ::

A standard user can upload own resource and can download, bookmark comment and rate other's resource. Their resources can not be directly published to the site. Admin or moderator need to approve their resource to be published.

Moderator ::

Moderator are selected by admins. They will be able to do all the things standard user can do. In addition to this, they will be able to approve resources, edit other users' resource, delete resources off the website, give warning to users for misconduct and block a user's account.

Resource uploaded by moderator do not need moderating and will be publicly viewable straight away.

Verified User ::

An admin may know a standard user and trust him to upload correct resources. For this reason, admin can select (from user list) to make that standard user a verified user. This means that this user does not need permission to upload a resource. His resource will be uploaded to the website without needing to be approved by an admin/moderator.

2.2 Objective :

- ⊕ To provide a platform for students and teachers to share Knowledge.
- ⊕ To provide Validated and Verified Content to the users.
- ⊕ Distributed system to manage content via different users and roles.
- ⊕ Only admin will have all the privileges.
- ⊕ Normal user will have limited access of site features like they can just create source/content.
- ⊕ Every source/content that is published on site is validated and approved by Admin or Moderator.
- ⊕ The activities of users and Moderator is Admin manageable.
- ⊕ The application will provide opportunity to those who don't get proper platform to share content and read verified content.



2.3 Feasibility study ::

- ⊕ In the world of internet to find original and verified content from dozens of fake contents is too difficult.
- ⊕ Both teachers and students face numerous problems related to content quality and its originality.
- ⊕ Students are struggling to get original and verified source of content.
- ⊕ Teachers are struggling to get credit and appreciation for quality content.
- ⊕ This application tries to solve most of the issue related to content quality, its originality and ownership.
- ⊕ This application provide content approved and verified by admin and moderator(expert) users.
- ⊕ Admin and moderator can suggest changes to creators/contributors regarding content to improve quality.
- ⊕ They can manage user behaviors by taking actions like warnings and account suspension.
- ⊕ Reported source will be removed from the application based on student's feedback and comments for the source.
- ⊕ Creators can earn trust by providing consistent and quality source and get verified for it.

The feasibility study of our project has been carried out on the basis of

1. Time
 2. Technology
 3. Resource availability
- Schedule Feasibility ::

- Project is initialized with specific Deadline.
- The duration was allotted to complete the project within 11 weeks.
- We require to determine whether the deadlines are mandatory or desirable.

- Technical Feasibility ::

- The project is developed in Laravel.
- As such there is no risk involved as far as technical aspect of the project is concerned.
- The technology is selected basis on the future scope expansions and time constraints.

- Resource Availability ::

- The required hardware and software specifications are mention in requirements section.
- The team of developers is needed for different tasks like design, testing, development, etc...

3. System Environment

3.1 Technology Description ::

- MySQL ::

- MySQL is based on a client-server model. The core of MySQL is MySQL server, which handles all of the database instructions (or commands).
- MySQL server is available as a separate program for use in a client-server networked environment and as a library that can be embedded (or linked) into separate applications.

- MySQL operates along with several utility programs which support the administration of MySQL databases. Commands are sent to MySQL Server via the MySQL client, which is installed on a computer.
- MySQL was originally developed to handle large databases quickly. Although MySQL is typically installed on only one machine, it is able to send the database to multiple locations, as users are able to access it via different MySQL client interfaces. These interfaces send SQL statements to the server and then display the results.

➤ APACHE ::

- HTTP Server is a free and open-source web server that delivers web content through the internet. It is commonly referred to as Apache and after development, it quickly became the most popular HTTP client on the web. It's widely thought that Apache gets its name from its development history and process of improvement through applied patches and modules but that was corrected back in 2000. It was revealed that the name originated from the respect of the Native American tribe for its resiliency and durability.
- Apache is the most widely used web server software. Developed and maintained by Apache Software Foundation, Apache is an open source software available for free. It runs on 67% of all webservers in the world. It is fast, reliable, and secure. It can be highly customized to meet the needs of many different environments by using extensions and modules. Most WordPress hosting providers use Apache as their web server software. However, WordPress can run on other web server software as well.

➤ PHP ::

- PHP (recursive acronym for PHP: Hypertext Pre-processor) is a widely-used open source general purpose scripting language that is especially suited for web development and can be embedded into HTML.
- PHP is a server side scripting language that is used to develop Static websites or Dynamic websites or Web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages. PHP scripts can only be interpreted on a server that has PHP installed. The client computers accessing the PHP scripts require a web browser only. A PHP file contains PHP tags and ends with the extension ".php".

➤ LARAVEL ::

- ❖ Laravel is a web application framework with expressive, elegant syntax. A web framework provides a structure and starting point for creating your application, allowing you to focus on creating something amazing while we sweat the details.
- ❖ Laravel strives to provide an amazing developer experience while providing powerful features such as thorough dependency injection, an expressive database abstraction layer, queues and scheduled jobs, unit and integration testing, and more.
- ❖ Whether you are new to PHP or web frameworks or have years of experience, Laravel is a framework that can grow with you. We'll help you take your first steps as a web developer or give you a boost as you take your expertise to the next level. We can't wait to see what you build.

➤ BOOTSTRAP ::

- ❖ BOOTSTRAP is a powerful toolkit - a collection of HTML, CSS, and JavaScript tools for creating and building web pages and web applications. It is a free and open source project, hosted on GitHub, and originally created by (and for) Twitter. After its open source release in 2011, Bootstrap became popular very quickly, and not without reason.
- ❖ Web designers and web developers like Bootstrap because it is flexible and easy to work with. Its main advantages are that it is responsive by design, it maintains wide browser compatibility, it offers consistent design by using re-usable components, and it is very easy to use and quick to learn. It offers rich extensibility using JavaScript, coming with built-in support for jQuery plugins and a programmatic JavaScript API.
- ❖ Bootstrap can be used with any IDE or editor, and any server-side technology and language, from ASP.NET to PHP to Ruby on Rails. With Bootstrap, web developers can concentrate on the development work, without worrying about design, and get a good-looking website up and

running quickly. Conversely, it gives web designers a solid foundation for creating interesting Bootstrap themes.

➤ CSS ::

- Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.
- CSS handles the look and feel part of a web page. Using CSS, you can control the colour of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colours are used, layout designs and variations in display for different devices and screen sizes as well as a variety of other effects.
- CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the mark up languages HTML or XHTML.

➤ HTML ::

- HTML stands for Hypertext Markup Language, and it is the most widely used language to write Web Pages.
- Hypertext refers to the way in which Web pages (HTML documents) are linked together. Thus, the link available on a webpage is called Hypertext.
- As its name suggests, HTML is a Markup Language which means you use HTML to simply "mark-up" a text document with tags that tell a Web browser how to structure it to display.
- Originally, HTML was developed with the intent of defining the structure of documents like headings, paragraphs, lists, and so forth to facilitate the sharing of scientific information between researchers.

3.2 Hardware and Software Requirements

Hardware Requirement

Client Side ::

RAM	512 MB
Hard Disk	10 MB
Processor	1.0 GHz

Server Side ::

RAM	1 GB
Hard Disk	20 GB
Processor	2.0 GHz

Software Requirements

Client Side ::

Web Browser	Chrome or Any Compatible Browser
Operating System	Windows or Any equivalent OS

Server Side ::

Web Server	APACHE
ServerSide Language	PHP
Database Server	MYSQL
Web Browser	Chrome or Any Compatible Browser
Operating System	Windows or Any equivalent OS

4. System Analysis and Modeling

4.1 Software Requirements and Specification

Functional Requirements

USER ::

➤ Authentication ::

Those users who have registered themselves and provides correct credentials during login will be allowed to access the portal. The authentication module will not allow disabled/deleted user to and expired user to log on to the portal.

➤ Password policies ::

A password policy is that in which the system does not allow the user to create password that is less than 8 characters long and password should be alpha numeric with at least 8 character.

➤ **Resource Creation ::**

This feature allow users to create Resource with files , HTML code and lot more content.

➤ **Resource Activities ::**

User can Download, bookmark, Comment, like and share resources.

➤ **Searching and filtering ::**

User can search and filter resources by age group, category and resource type on the home page.

➤ **Follow User ::**

User can follow each other and get notified on their activities like resource created , following etc...

➤ **Reset Password ::**

All the user will be provided with 'forgot password' facility. The users' email id will be used a username and they can reset password after following some simple steps.

ADMIN ::

➤ **Resource Management ::**

Admin can Publish pending resources and can blog or flagged in appropriate resource from admin dashboard.

➤ **Site management ::**

Admin can manage site from dashboard like change header images, create or update categories and tags, change policies and handle testimonials of home page.

➤ **User Management ::**

Admin can manage users by giving them access of as a verified user, moderator or admin, blocking the users, take action on reported users, view donors and subscribers.

Non - Functional Requirements

➤ **Security :**

As all the operations are to be performed within a single system, security is not an issue with this software.

➤ **Portability:**

As this software is to work on multiple platforms, therefore portability is essential and we ensured this by using PHP.

➤ **User friendly interface :**

To make this application to reach maximum number of users we need to create a user friendly interface so that a person with low computer skill can also access it.

➤ **Reusability :**

The repository concept for database access allow us to reuse the same service provider to perform various task. We need not to code same block again and again.

➤ **Stability :**

Most of the modules will be stable over time and will not need change. So will need least amount of maintenance.

➤ **Maintainability :**

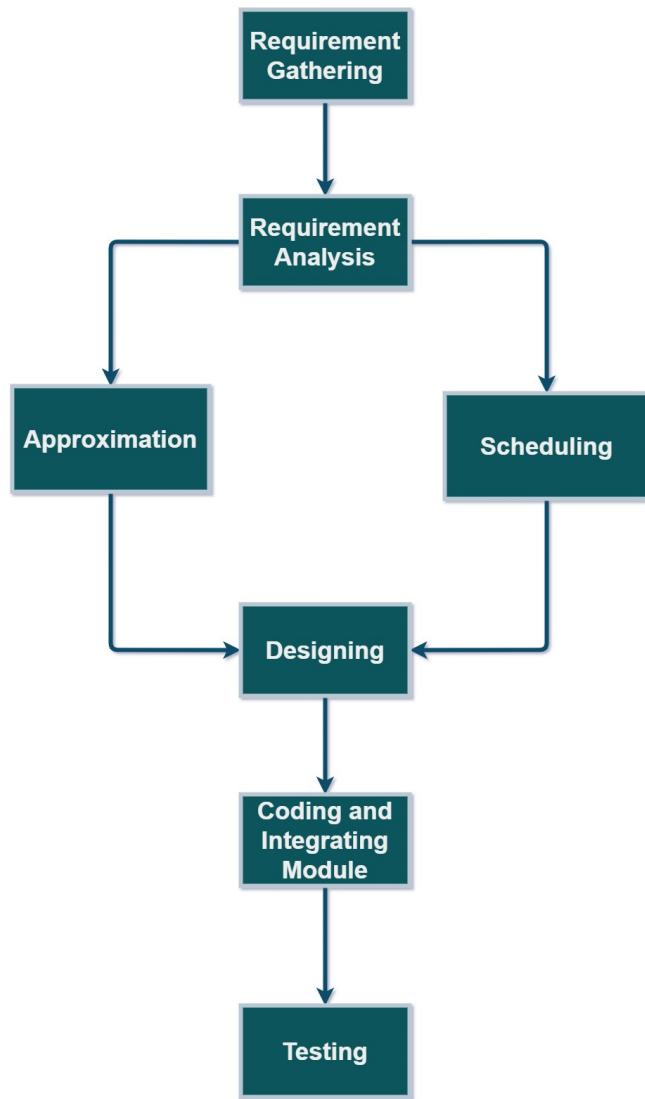
The software is easily maintainable and easy to recover cause Laravel is having such concepts like migrations and seeders to maintain database.

➤ **Extensibility :**

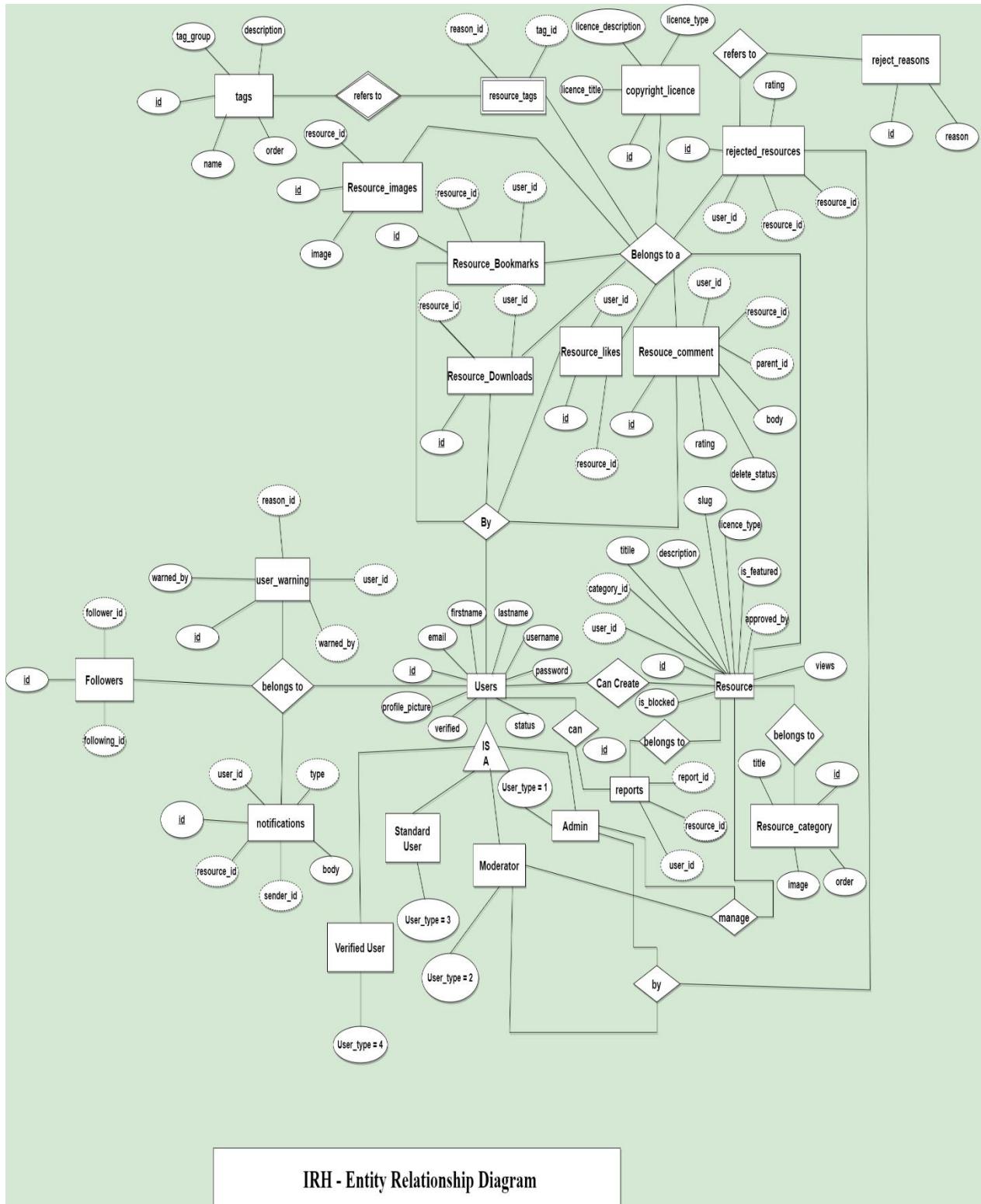
The application is extensible in a context of features , GUI and customization for new version upgradation.

4.2 Flow Chart ::

IRH - Flow Chart

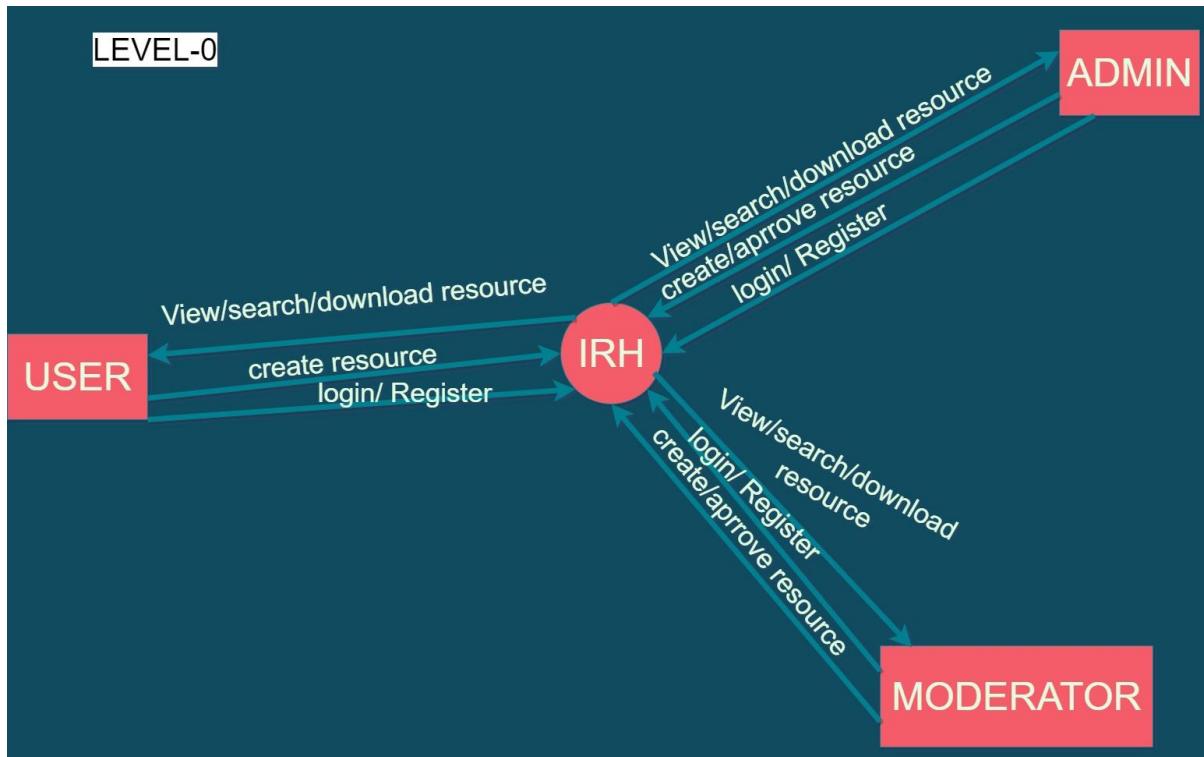


4.3 Entity Relationship Diagram ::

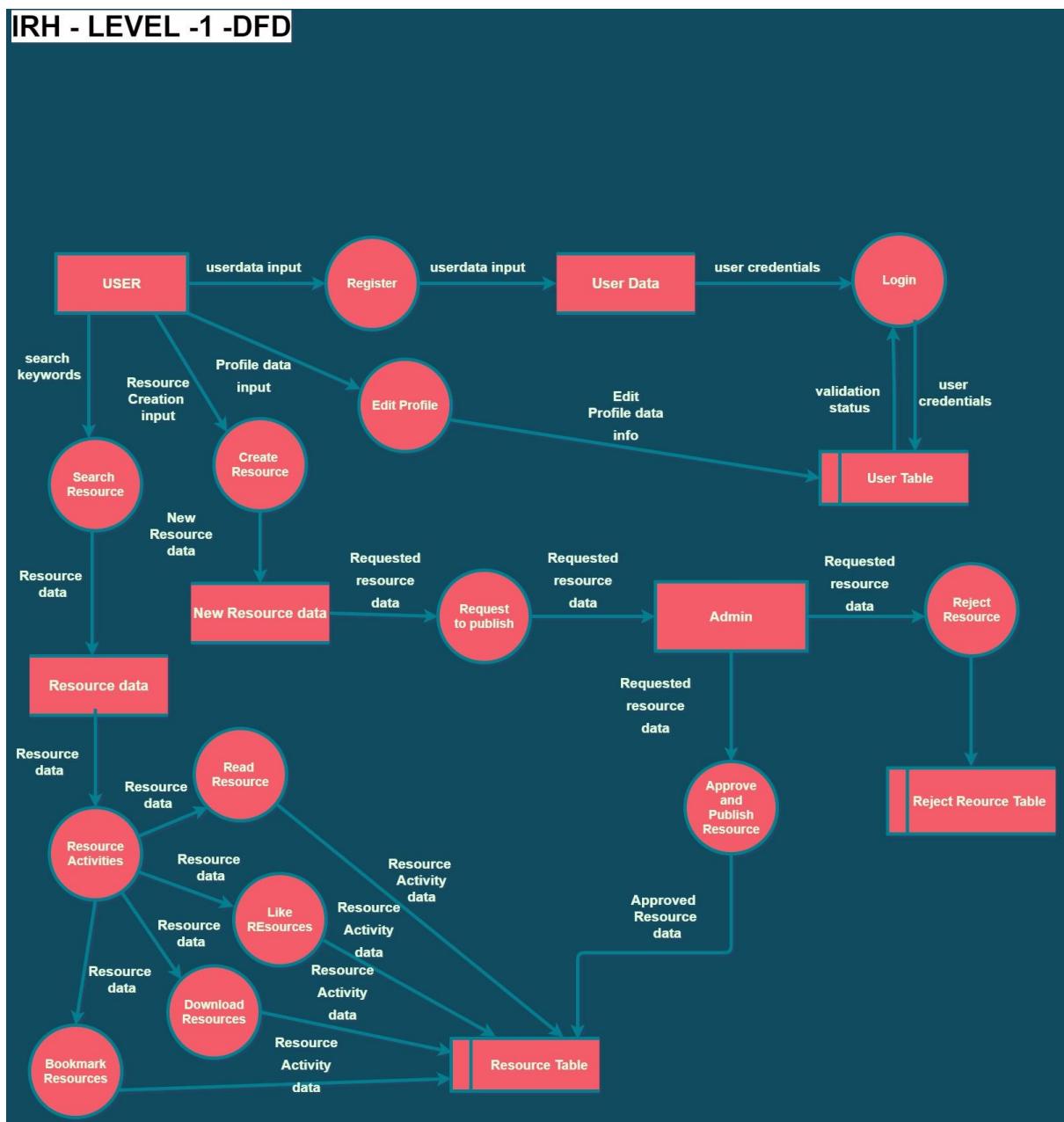


4.4 Data Flow Diagram ::

LEVEL - 0



LEVEL – 1



4.5 Data Dictionary ::

blocked_user

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
REASON_ID	Reason id	bigint	20	Foreign key
DESCRIPTION	Remark	text		Null
STATUS	status	int	11	Null
REJECTED_BY	Admin/user id	bigint	20	Foreign key

comments_flagged

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
COMMENT_ID	Comment's id	bigint	20	Foreign key
REASON_ID	Reason id	bigint	20	Foreign key
DESCRIPTION	remark	text		Null
USER_ID	Rejected by	bigint	20	Foreign key

contact_us

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
FIRSTNAME	Fistname	varchar	191	Not null
LASTNAME	Lastname	varchar	191	Not null
EMAIL	Email	varchar	191	Not null
SUBJECT	Subject	varchar	191	Not null
MESSAGE	message	longtext		Not null

copyright_licence

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
LICENCE_TITLE	Title	varchar	191	Not null
LICENCE_DESCRIPTION	Description	text		Not null
LICENCE_TYPE	1 or 0	int	11	Not null

faqs

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
NAME	Name of tag	Varchar	191	Not null

faq_subs

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
FAQ_MAIN_ID	Faq id	bigint	20	Foreign key
QUESTION	Question	varchar	191	Not null
ANSWER	answer	text		Not null

follows

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
FOLLOWER_ID	Follower's id	bigint	20	Foreign key
FOLLOWING_ID	Following id	int	10	Foreign key

notification

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	id	bigint	20	Primary key
BODY	Message body	text		Not null
TYPE	Report/resource create	varchar	191	Not null
RESOURCE_ID	Resource id	int	11	Foreign key
SENDER_ID	Sender id	int	11	Foreign key
USER_ID	User id	Int	11	Foreign key
READ_AT	Read time	timestamp		Null

profile_views

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
VIEW_COUNT	Profile view count	int	11	Not null

rejected_resources

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
RESOURCE_ID	Resource id	bigint	20	Foreign key
REASON_ID	Reason id	bigint	20	Foreign key
DESCRIPTION	Description	text		Null
USER_ID	User's id	bigint	20	Foreign key

report

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
REPORT_ID	Report id	tinyint	4	Not null
RESOURCE_ID	Resource id	bigint	20	Foreign key

resources

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPE S	SIZ E	CONSTRAI NT
ID	Id	bigint	20	Primary key
USER_ID	User's id	int	10	Foreign key
CATEGORY_ID	Category id	Int	10	Foreign key
TITLE	Title	varchar	191	Not null
SLUG	Slug	varchar	500	Not null
DESCRIPTION	Description	text		Not null
LICENCE_TYPE	License type	int	11	Null
RESOURCE_ATTACHMENT	Resource attachment	varchar	191	Null
EMBED_HTML	Html code	varchar	191	Null
COVER_ATTACHMENT	Cover image	varchar	191	Null
PREVIEW_ATTACHMENT	Preview files	varchar	191	Null
PLACEHOLDER_IMG_ID	Placeholder image id	bigint	20	Foreign key
EMBED_LINK	Embed link	text		Null
VIEWS	View count	int	11	Not null
RESOURCE_STATUS	Resource status	tinyint	4	Not null
IS_FEATURED	Featured	tinyint	4	Not null
IS_BLOCKED	Block	tinyint	1	Not null
REASON_ID	Reason id	int	11	Foreign key
REASON_COMMENT	Reason / remark	text		Null
BLOCKED_BY	Block by user	int	11	Foreign key
TOUIR_END	Tour end	tinyint	4	Not null
APPROVED_BY	Approved by	bigint	20	Foreign key
IS_HOME_FEATURED	Home page featured	varchar	191	Null
IS_PRIVATE	private	tinyint	1	Null

resource_bookmarks

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bitint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
RESOURCE_ID	Resource id	bigint	20	Foreign key

resource_categories

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
TITLE	title	varchar	191	Not null
IMAGE	Image	varchar	191	Not null
ORDER	order	int	11	Null

resource_comments

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZ E	CONSTRAIN T
ID	Id	Int	10	Primary key
USER_ID	User's id	int	10	Foreign key
RESOURCE_ID	Resource id	int	10	Foreign key
PARENT_ID	Parent id	int	10	Foreign key
BODY	Body	text		Not null
RATING	Rating	int	10	Not null
DELETE_STATUS	Delete status	int	10	Not null
FLAGGED_STATUS	Flag status	int	10	Not null

resource_downloads

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
RESOURCE_ID	Resource id	bigint	20	Foreign key

resource_images

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	id	bigint	20	Primary key
RESOURCE_ID	Resource id	int	10	Foreign key
IMAGE	Image	varchar	191	Not null

resource_likes

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
RESOURCE_ID	Resource id	bigint	20	Foreign key

resource_reject_reason

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
REASON	reason	varchar	191	Not null

resource_tags

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
RESOURCE_ID	Resource id	int	10	Not null
TAG_ID	Tag id	int	10	Not null

settings

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
KEY	Key	varchar	191	Not null
VALUE	Value	longtext		Not null
USER_ID	User's id	bigint	20	Foreign key

subscribers

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
EMAIL	Email	varchar	191	Not null
FIRSTNAME	Firstname	varchar	191	Not null
LASTNAME	Lastname	varchar	191	Not null
STATUS	status	tinyint	4	Not null

tags

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
TAG_GROUP	Tag group	varchar	191	Not null
NAME	Name	varchar	191	Not null
DESCRIPTION	Description	text		Null
ORDER	order	int	11	Null

testimonials

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	id	bigint	20	Primary key
TESTIMONIAL_BY	Testimonial user	varchar	191	Not null
TESTIMONIAL_TEXT	comments	varchar	191	Not null

un_block_users

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
DESCRIPTION	Description	text		Not null
UNBLOCKED_BY	Who rejects	bigint	20	Foreign key

users

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPE	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
FIRST_NAME	First name	varchar	191	Not null
LAST_NAME	Last name	varchar	191	Not null
EMAIL	Email	varchar	191	Unique
USERNAME	Username	varchar	191	Unique
PASSWORD	Password	varchar	191	Not null
POSITION	Position	varchar	191	Null
WORKING_IN	Working company	varchar	191	Null
SUBJECT	Subject	text		Null
COUNTRY	Country	int	11	Null
ABOUT_ME	About	text		Null
PROFILE_PICTURE	Profile pic	varchar	191	Null
PROFILE_BACK_GRADIENT	Profile gradient	varchar	191	Null
PRIVATE_INFO	Private info	text		Null
SAVED_RESOURCES	Saved resource	text		Null
FOLLOWERS	Followers	text		Null
FOLLOWING	Following	text		Null
TWITTER	Twitter	text		Null
INSTAGRAM	Instagram	varchar	191	Null
LINKEDIN	linkedin	varchar	191	Null
FB	Facebook	varchar	191	Null
NEW_SOCIAL	Social media	varchar	191	Null
HOBBIES	Hobby	text		Null

VERIFIED	Verification status	tinyint	4	Not null
STATUS	Status	tinyint	4	Not null
USER_TYPE	User type	tinyint	4	Not null
BACKGROUND_IMAGE	Background image	varchar	191	Null
IS_BLOCKED	Is blocked	tinyint	4	null

user_resource_visits

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
RESOURCE_ID	Resource id	bigint	20	Foreign key
VIEW_COUNT	View count	int	11	Not null

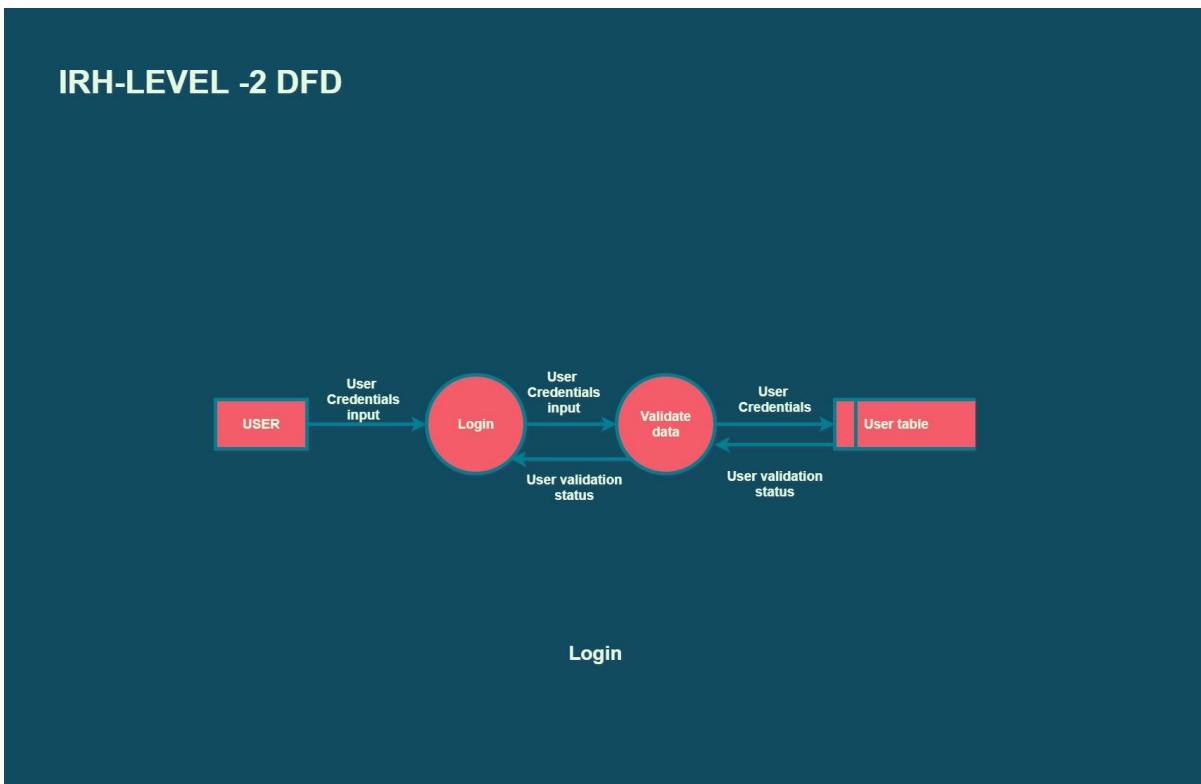
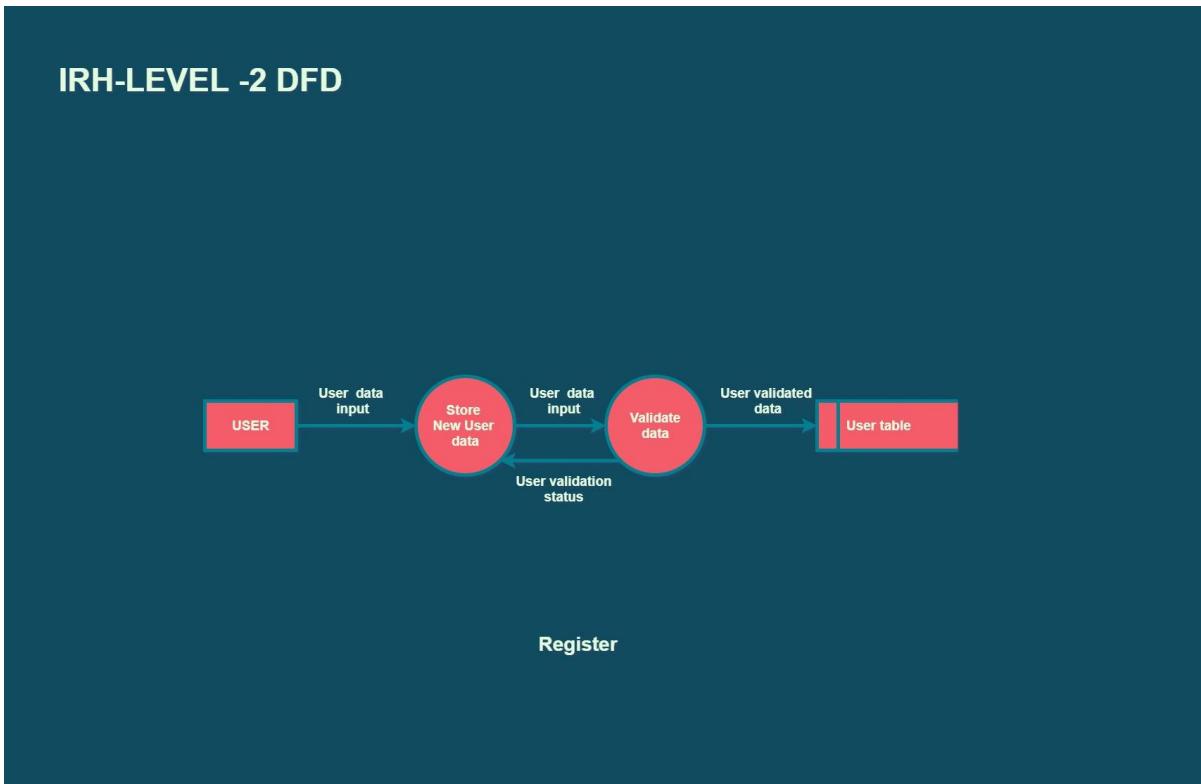
user_warning

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
REASON_ID	Reason id	bigint	20	Foreign key
USER_ID	User's id	bigint	20	Foreign key
WARNING_BODY	Body	text		Not null
WARNED_BY	Who warned	bigint	20	Foreign key

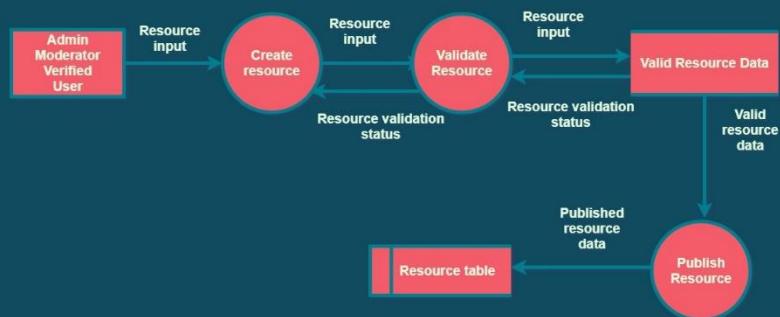
visitors

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
IP	Ip address	varchar	191	Unique
ISO3	3 char iso	varchar	191	Not null
DATE	date	date		Unique

4.6 Process Specification -DFD Level -2

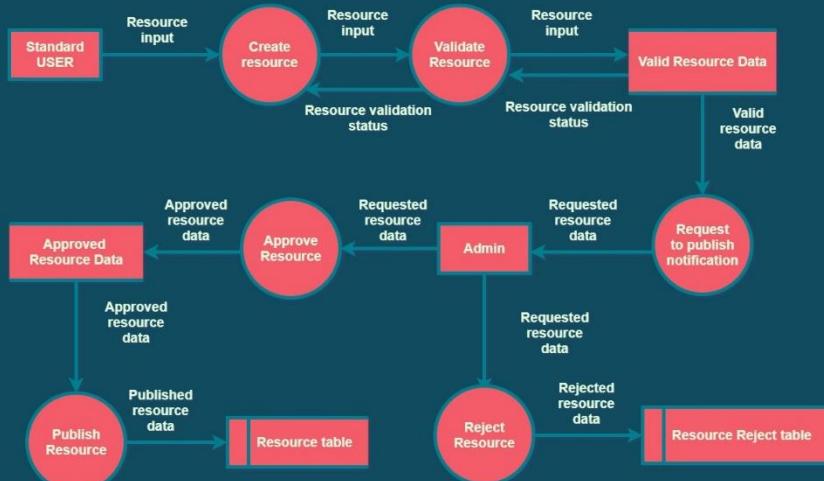


IRH-LEVEL -2 DFD



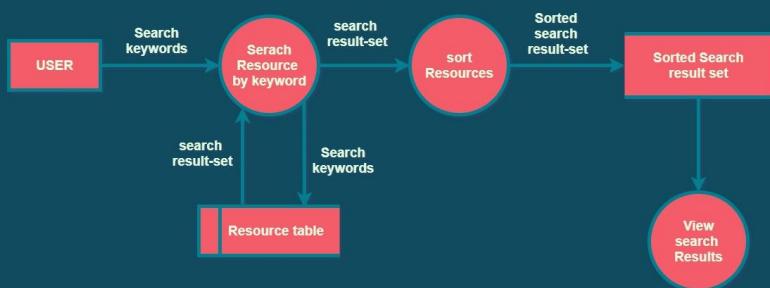
Create and publish Resource (Verified /Admin/Moderator User)

IRH-LEVEL -2 DFD



Create and publish Resource (Standard User)

IRH-LEVEL -2 DFD



Search Resources

IRH-LEVEL -2 DFD



Edit Profile

IRH-LEVEL -2 DFD



Download Resources

IRH-LEVEL -2 DFD



Like Resources

IRH-LEVEL -2 DFD



Bookmark Resources

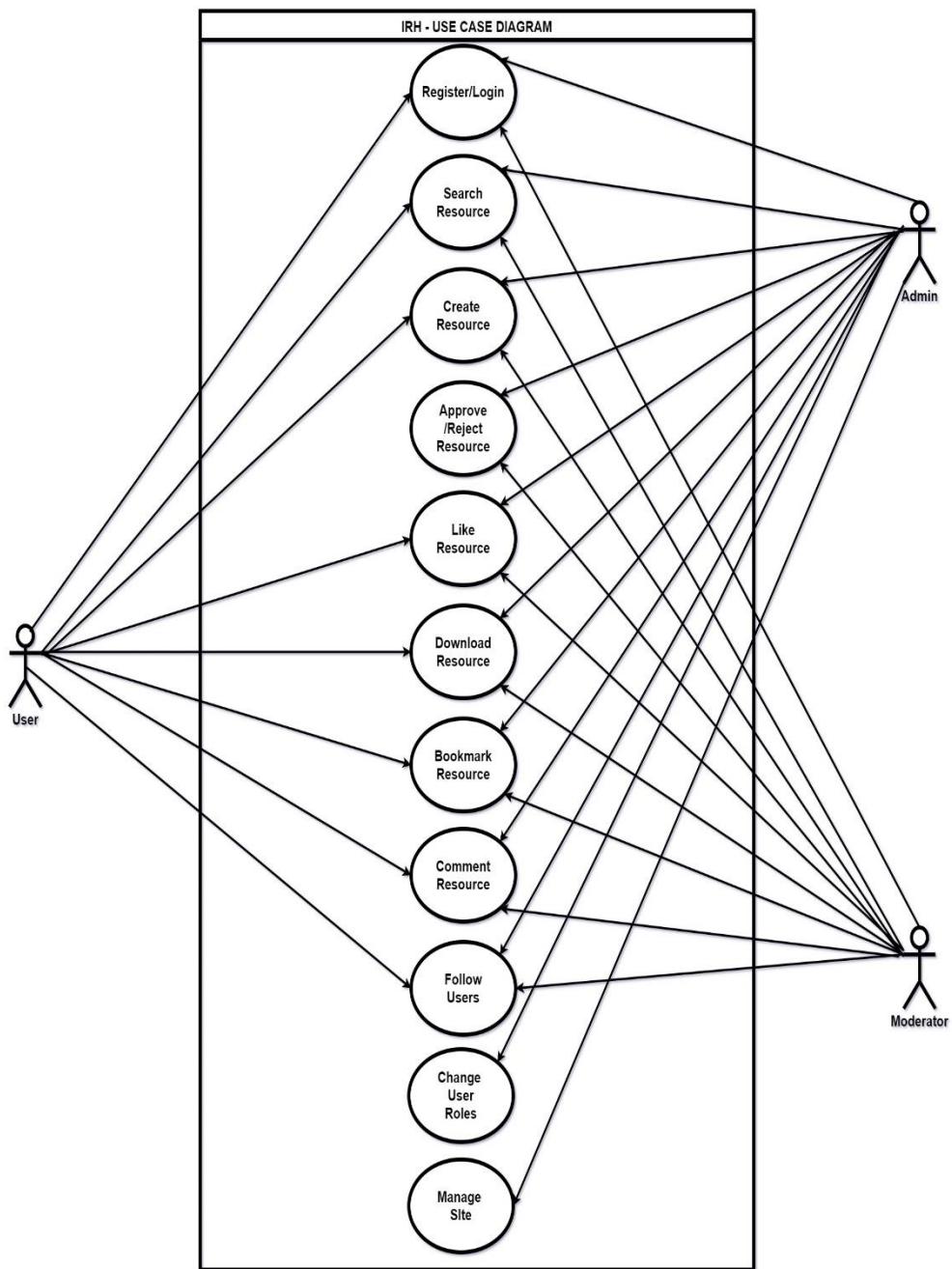
IRH-LEVEL -2 DFD



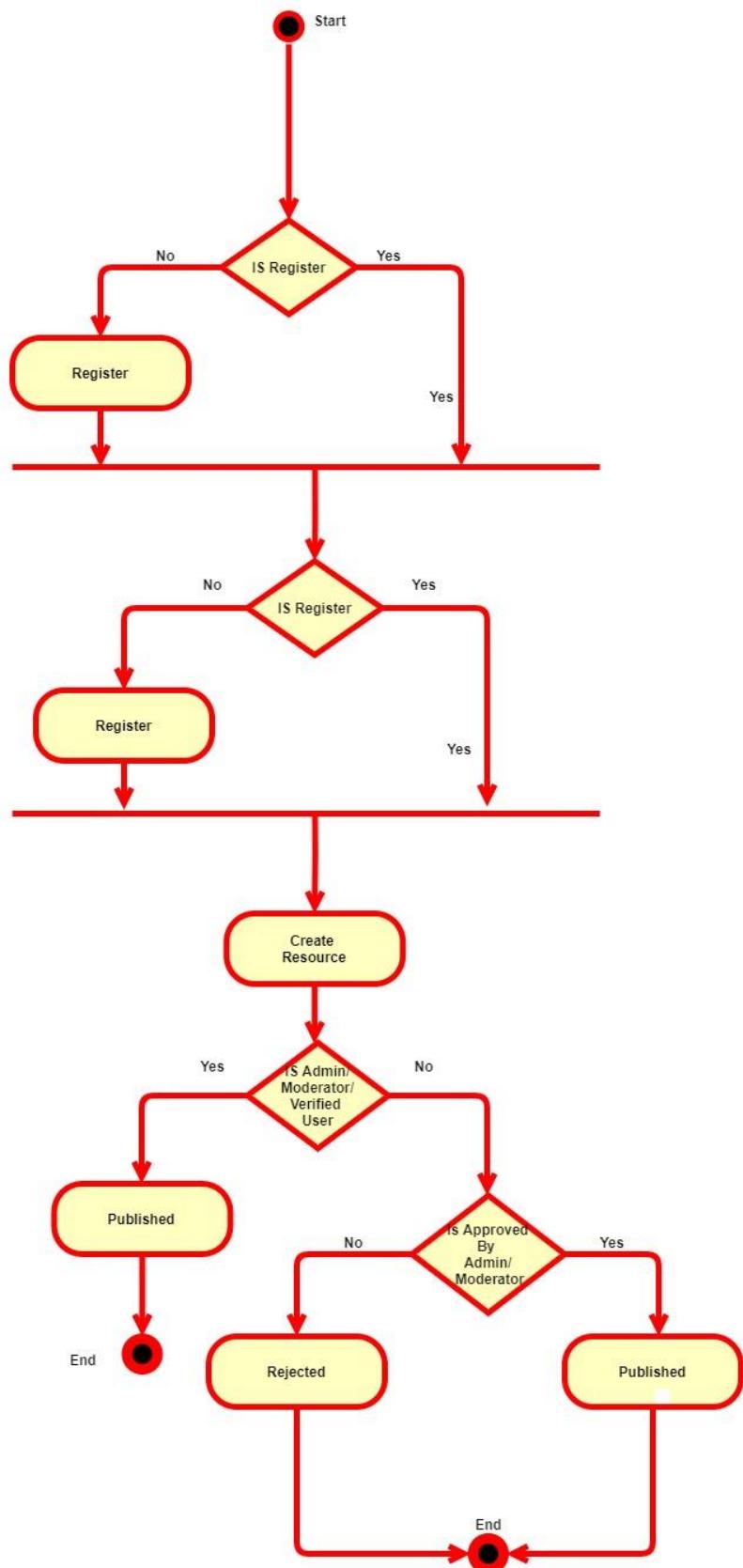
Comment Resources

4.7 UML Diagrams applicable as per system

Use case Diagram ::



IRH - Activity Diagram - Create Resource



5. Designing

5.1 Database Design ::

Table : blocked_user

Where & how used : to manage block user and block reasons

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
REASON_ID	Reason id	bigint	20	Foreign key
DESCRIPTION	Remark	text		Null
STATUS	status	int	11	Null
REJECTED_BY	Admin/user id	bigint	20	Foreign key

Table : comments_flagged

Where & how used : to manage warnings of comments

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
COMMENT_ID	Comment's id	bigint	20	Foreign key
REASON_ID	Reason id	bigint	20	Foreign key
DESCRIPTION	remark	text		Null
USER_ID	Rejected by	bigint	20	Foreign key

Table : contact_us

Where & how used : to manage details of contact us users

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
FIRSTNAME	Fistname	varchar	191	Not null
LASTNAME	Lastname	varchar	191	Not null
EMAIL	Email	varchar	191	Not null
SUBJECT	Subject	varchar	191	Not null
MESSAGE	message	longtext		Not null

Table : copyright_licence

Where & how used : to manage data of resource and copyrights

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
LICENCE_TITLE	Title	varchar	191	Not null
LICENCE_DESCRIPTION	Description	text		Not null
LICENCE_TYPE	1 or 0	int	11	Not null

Table : faqs

Where & how used : to manage faqs of users

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
NAME	Name of tag	Varchar	191	Not null

Table : faq_subs

Where & how used : to manage faq's subjects (categories)

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
FAQ_MAIN_ID	Faq id	bigint	20	Foreign key
QUESTION	Question	varchar	191	Not null
ANSWER	answer	text		Not null

Table : follows

Where & how used : to manage data of user who follows him/her

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
FOLLOWER_ID	Follower's id	bigint	20	Foreign key
FOLLOWING_ID	Following id	int	10	Foreign key

Table : notification

Where & how used : to manage user notifications

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	id	bigint	20	Primary key
BODY	Message body	text		Not null
TYPE	Report/resource create	varchar	191	Not null
RESOURCE_ID	Resource id	int	11	Foreign key
SENDER_ID	Sender id	int	11	Foreign key
USER_ID	User id	Int	11	Foreign key
READ_AT	Read time	timestamp		Null

Table : profile_views

Where & how used : to keep a track of profile views count

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
VIEW_COUNT	Profile view count	int	11	Not null

Table : rejected_resources

Where & how used : to keep a track of resource rejection and reason id

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
RESOURCE_ID	Resource id	bigint	20	Foreign key
REASON_ID	Reason id	bigint	20	Foreign key
DESCRIPTION	Description	text		Null
USER_ID	User's id	bigint	20	Foreign key

Table : report**Where & how used :** to manage resource reports and take actions

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
REPORT_ID	Report id	tinyint	4	Not null
RESOURCE_ID	Resource id	bigint	20	Foreign key

Table : resources**Where & how used :** to store resource data

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPE S	SIZ E	CONSTRAI NT
ID	Id	bigint	20	Primary key
USER_ID	User's id	int	10	Foreign key
CATEGORY_ID	Category id	Int	10	Foreign key
TITLE	Title	varchar	191	Not null
SLUG	Slug	varchar	500	Not null
DESCRIPTION	Description	text		Not null
LICENCE_TYPE	License type	int	11	Null
RESOURCE_ATTACHMENT	Resource attachment	varchar	191	Null
EMBED_HTML	Html code	varchar	191	Null
COVER_ATTACHMENT	Cover image	varchar	191	Null
PREVIEW_ATTACHMENT	Preview files	varchar	191	Null
PLACEHOLDER_IMG_ID	Placeholder image id	bigint	20	Foreign key
EMBED_LINK	Embed link	text		Null
VIEWS	View count	int	11	Not null
RESOURCE_STATUS	Resource status	tinyint	4	Not null

IS_FEATURED	Featured	tinyint	4	Not null
IS_BLOCKED	Block	tinyint	1	Not null
REASON_ID	Reason id	int	11	Foreign key
REASON_COMMENT	Reason / remark	text		Null
BLOCKED_BY	Block by user	int	11	Foreign key
TOUIR_END	Tour end	tinyint	4	Not null
APPROVED_BY	Approved by	bigint	20	Foreign key
IS_HOME_FEATURED	Home page featured	varchar	191	Null
IS_PRIVATE	private	tinyint	1	Null

Table : resource_bookmarks

Where & how used : to keep a track of resource bookmarks of users

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bitint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
RESOURCE_ID	Resource id	bigint	20	Foreign key

Table : resource_categories

Where & how used : to store resource categories

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
TITLE	title	varchar	191	Not null
IMAGE	Image	varchar	191	Not null
ORDER	order	int	11	Null

Table : resource_comments

Where & how used : to store resource comments

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPE S	SIZ E	CONSTRAIN T
ID	Id	Int	10	Primary key
USER_ID	User's id	int	10	Foreign key

RESOURCE_ID	Resource id	int	10	Foreign key
PARENT_ID	Parent id	int	10	Foreign key
BODY	Body	text		Not null
RATING	Rating	int	10	Not null
DELETE_STATUS	Delete status	int	10	Not null
FLAGGED_STATU S	Flag status	int	10	Not null

Table : resource_downloads

Where & how used : to keep a track of resource downloads

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
RESOURCE_ID	Resource id	bigint	20	Foreign key

Table : resource_images

Where & how used : to store images related to resources

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	id	bigint	20	Primary key
RESOURCE_ID	Resource id	int	10	Foreign key
IMAGE	Image	varchar	191	Not null

Table : resource_likes

Where & how used : to keep a track of resource likes

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
RESOURCE_ID	Resource id	bigint	20	Foreign key

Table : resource_reject_reason**Where & how used :** to store rejection reasons

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
REASON	reason	varchar	191	Not null

Table : resource_tags**Where & how used :** to store resource tags categories

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
RESOURCE_ID	Resource id	int	10	Not null
TAG_ID	Tag id	int	10	Not null

Table : settings**Where & how used :** to manage basic settings of site

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
KEY	Key	varchar	191	Not null
VALUE	Value	longtext		Not null
USER_ID	User's id	bigint	20	Foreign key

Table : subscribers**Where & how used :** to keep a track pf subscribers of site for newsletters

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
EMAIL	Email	varchar	191	Not null
FIRSTNAME	Firstname	varchar	191	Not null
LASTNAME	Lastname	varchar	191	Not null
STATUS	status	tinyint	4	Not null

Table : tags**Where & how used :** to store tags and description and orders

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
TAG_GROUP	Tag group	varchar	191	Not null
NAME	Name	varchar	191	Not null
DESCRIPTION	Description	text		Null
ORDER	order	int	11	Null

Table : testimonials**Where & how used :** to manage site's testimonials (by admin)

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	id	bigint	20	Primary key
TESTIMONIAL_BY	Testimonial user	varchar	191	Not null
TESTIMONIAL_TEXT	comments	varchar	191	Not null

Table : un_block_users**Where & how used :** to keep a track of un blocked users

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
DESCRIPTION	Description	text		Not null
UNBLOCKED_BY	Who rejects	bigint	20	Foreign key

Table : users**Where & how used :** to store userdata

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
FIRST_NAME	First name	varchar	191	Not null
LAST_NAME	Last name	varchar	191	Not null
EMAIL	Email	varchar	191	Unique
USERNAME	Username	varchar	191	Unique
PASSWORD	Password	varchar	191	Not null
POSITION	Position	varchar	191	Null
WORKING_IN	Working company	varchar	191	Null
SUBJECT	Subject	text		Null
COUNTRY	Country	int	11	Null
ABOUT_ME	About	text		Null
PROFILE_PICTURE	Profile pic	varchar	191	Null
PROFILE_BACK_GRADIENT	Profile gradient	varchar	191	Null
PRIVATE_INFO	Private info	text		Null
SAVED_RESOURCES	Saved resource	text		Null
FOLLOWERS	Followers	text		Null
FOLLOWING	Following	text		Null
TWITTER	Twitter	text		Null
INSTAGRAM	Instagram	varchar	191	Null
LINKEDIN	linkedin	varchar	191	Null
FB	Facebook	varchar	191	Null
NEW_SOCIAL	Social media	varchar	191	Null
HOBBIES	Hobby	text		Null

VERIFIED	Verification status	tinyint	4	Not null
STATUS	Status	tinyint	4	Not null
USER_TYPE	User type	tinyint	4	Not null
BACKGROUND_IMAGE	Background image	varchar	191	Null
IS_BLOCKED	Is blocked	tinyint	4	null

Table : user_resource_visits

Where & how used : to keep a track of user history

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
USER_ID	User's id	bigint	20	Foreign key
RESOURCE_ID	Resource id	bigint	20	Foreign key
VIEW_COUNT	View count	int	11	Not null

Table : user_warning

Where & how used : to keep a track of user's warnings

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
REASON_ID	Reason id	bigint	20	Foreign key
USER_ID	User's id	bigint	20	Foreign key
WARNING_BODY	Body	text		Not null
WARNED_BY	Who warned	bigint	20	Foreign key

Table : visitors

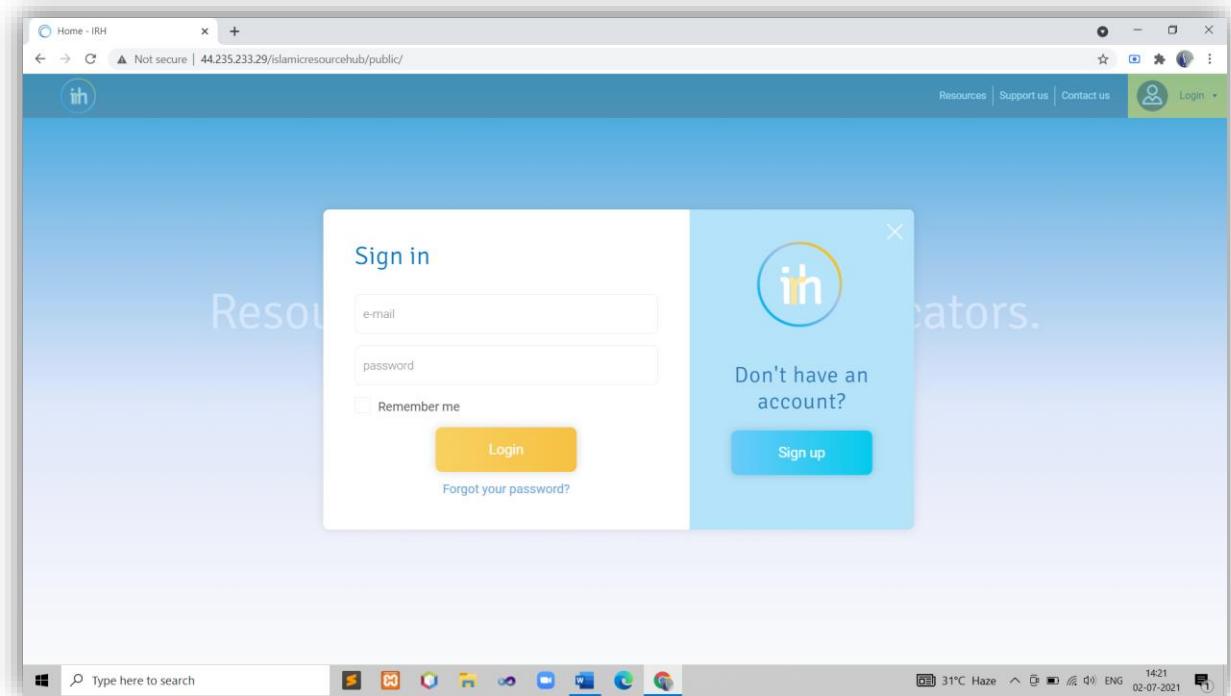
Where & how used : to keep a track of users visiting site

ELEMENT NAME	ELEMENT DESCRIPTION	DATA TYPES	SIZE	CONSTRAINT
ID	Id	bigint	20	Primary key
IP	Ip address	varchar	191	Unique
ISO3	3 char iso	varchar	191	Not null
DATE	date	date		Unique

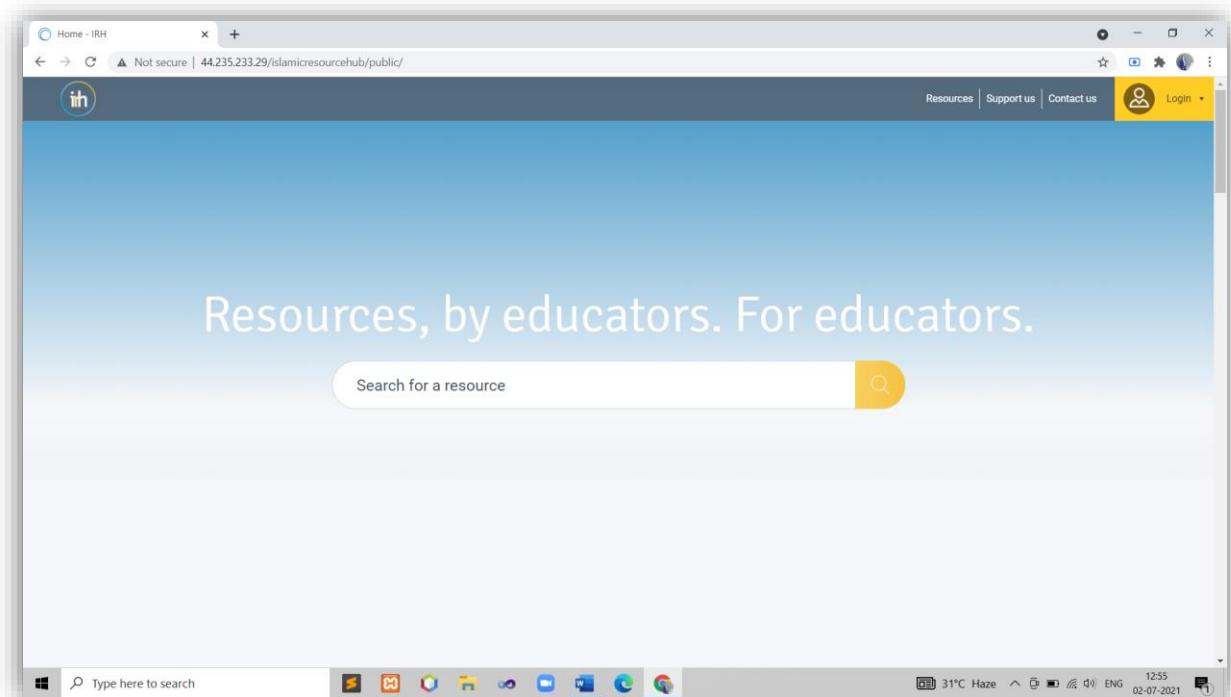
5.2 Interface Design

Sign-In ::

you can sign in by just entering your valid Username and Password .



Home page :: Search bar



Home page :: Featured Resources

The screenshot shows a web browser window for 'Home - IRH' at the URL '44.235.233.29/islamicresourcehub/public/'. The page features a blue header with the 'ih' logo, navigation links for 'Resources', 'Support us', 'Contact us', and a 'Login' button. Below the header is a section titled 'Featured Resources' with the sub-instruction 'The most popular resources - selected by us.' It displays four resource cards in a horizontal scrollable grid:

- Standard User Modera... testing**: An icon of two hands shaking, 2 upvotes, 0 downvotes, 1 comment.
- Johnas [Charity] testing 123**: An icon of two hands shaking, 1 upvote, 0 downvotes, 6 comments.
- Standard User Modera... test-publish-resz**: An icon of a person typing on a laptop, 3 upvotes, 0 downvotes, 0 comments.
- Standard User Modera... verified user test res status**: An icon of a person typing on a laptop, 1 upvote, 0 downvotes, 0 comments.

Below this is a section titled 'New Resources' with the sub-instruction 'Check out these new amazing resources.' It displays four resource cards in a horizontal scrollable grid:

- Admin IRH Gazwa e Badar**: An image of a lake and mountains, 0 upvotes, 1 downvote, 0 comments.
- Standard User Modera... drt**: An icon of two hands shaking, 3 upvotes, 1 downvote, 0 comments.
- Standard User Modera... testing**: An icon of two hands shaking, 2 upvotes, 1 downvote, 0 comments.
- Admin IRH Test Resource CK**: An icon of a person typing on a laptop, 0 upvotes, 1 downvote, 0 comments.

A 'Discover more Resources' button is located at the bottom of the grid. The browser's taskbar at the bottom shows various pinned icons and the system tray indicates it's 13:50, 31°C Haze, ENG, 02-07-2021.

Home Page :: New Resource

The screenshot shows a web browser window for 'Home - IRH' at the URL '44.235.233.29/islamicresourcehub/public/'. The page features a blue header with the 'ih' logo, navigation links for 'Resources', 'Support us', 'Contact us', and a 'Login' button. Below the header is a section titled 'New Resources' with the sub-instruction 'Check out these new amazing resources.' It displays four resource cards in a horizontal scrollable grid:

- Admin IRH Gazwa e Badar**: An image of a lake and mountains, 0 upvotes, 1 downvote, 0 comments.
- Standard User Modera... drt**: An icon of two hands shaking, 3 upvotes, 1 downvote, 0 comments.
- Standard User Modera... testing**: An icon of two hands shaking, 2 upvotes, 1 downvote, 0 comments.
- Admin IRH Test Resource CK**: An icon of a person typing on a laptop, 0 upvotes, 1 downvote, 0 comments.

A 'Discover more Resources' button is located at the bottom of the grid. The browser's taskbar at the bottom shows various pinned icons and the system tray indicates it's 13:51, 31°C Haze, ENG, 02-07-2021.

Home Page :: Testimonials

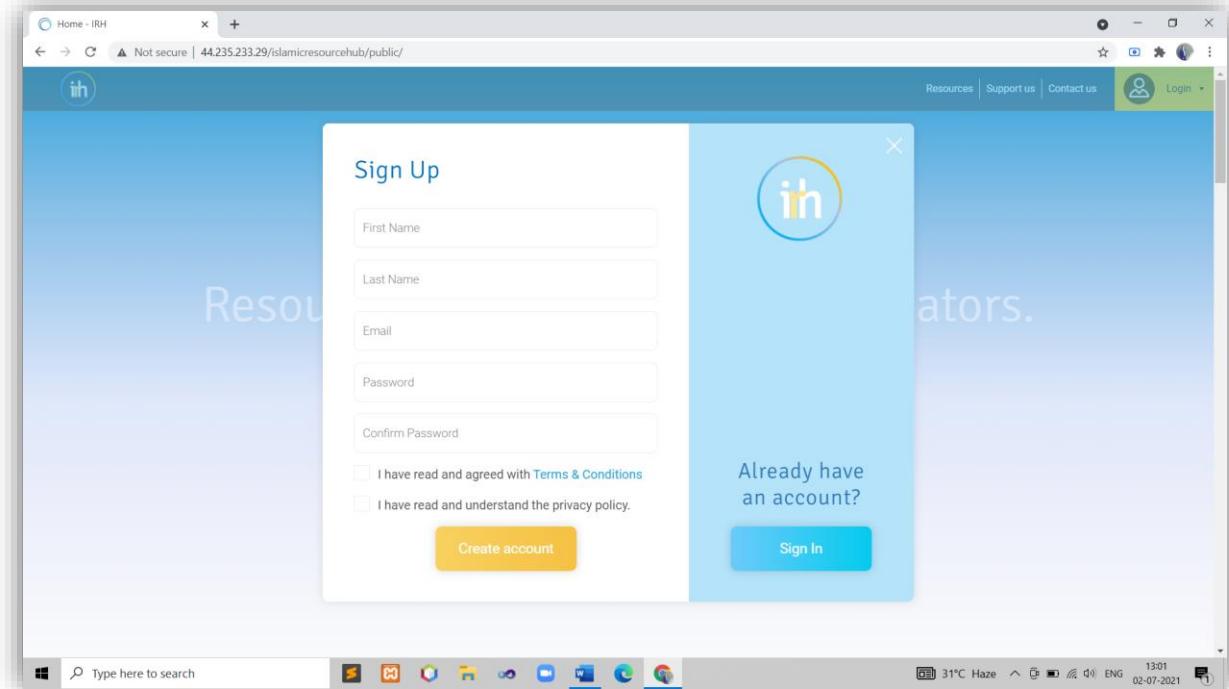
The screenshot shows the 'Testimonials' section of the website. The heading 'Testimonials' is at the top, followed by the subtext 'Have a look at what people have said about IRH'. Below this are three testimonial cards, each featuring a small profile icon and placeholder text from 'Lorem Ipsum'. The cards are labeled 'Admin' at the bottom. Navigation arrows and dots indicate more content is available. At the bottom of the page, there's a dark footer bar with the 'ih' logo, 'Quick Links' (Home), 'Useful Links' (Term & Conditions), and a search bar.

Home Page :: Categories

The screenshot shows the 'Categories' section of the website. The heading 'Categories' is at the top, followed by the subtext 'Twelve comprehensive Categories; resources organised!'. Below this are five category cards, each with a placeholder image and a name: 'Test cat', 'test', 'sam', 'saj', and 'Akhläq'. At the bottom, there's a 'Featured Resources' section with the subtext 'The most popular resources - selected by us.' and a blurred preview of several resource cards.

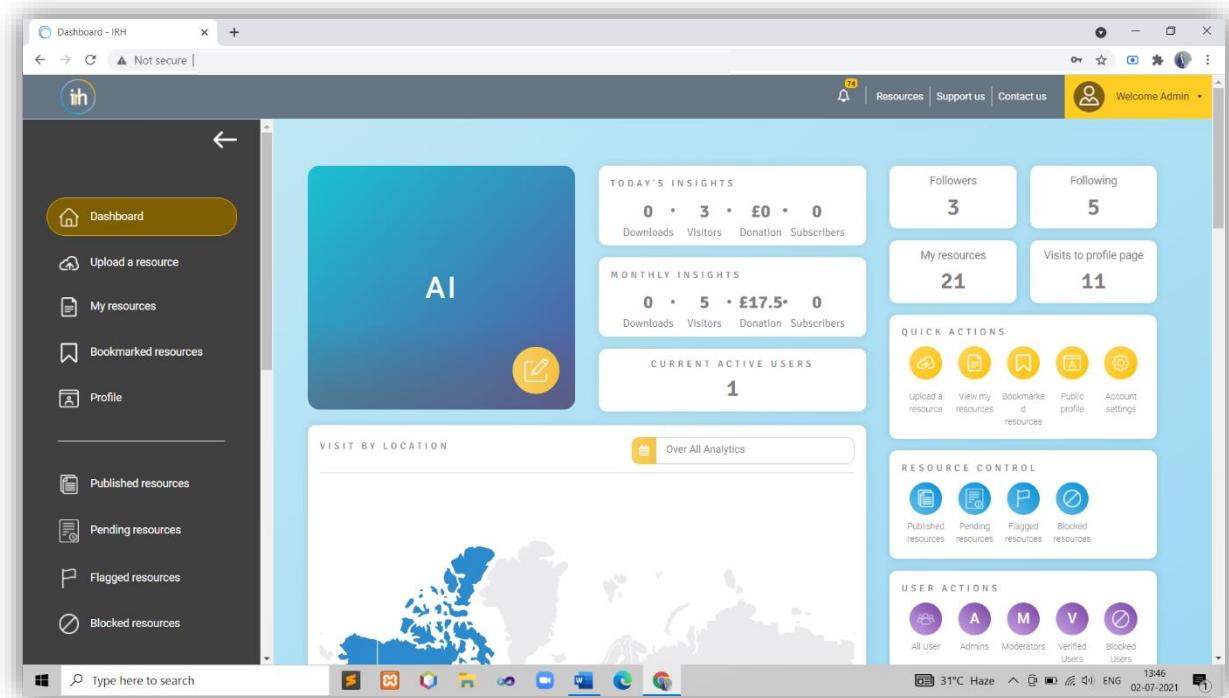
Sign-Up ::

If you are not registered , just fill form by entering valid data and register your self.



Admin Dashboard ::

If you are admin you will have access of features as follows



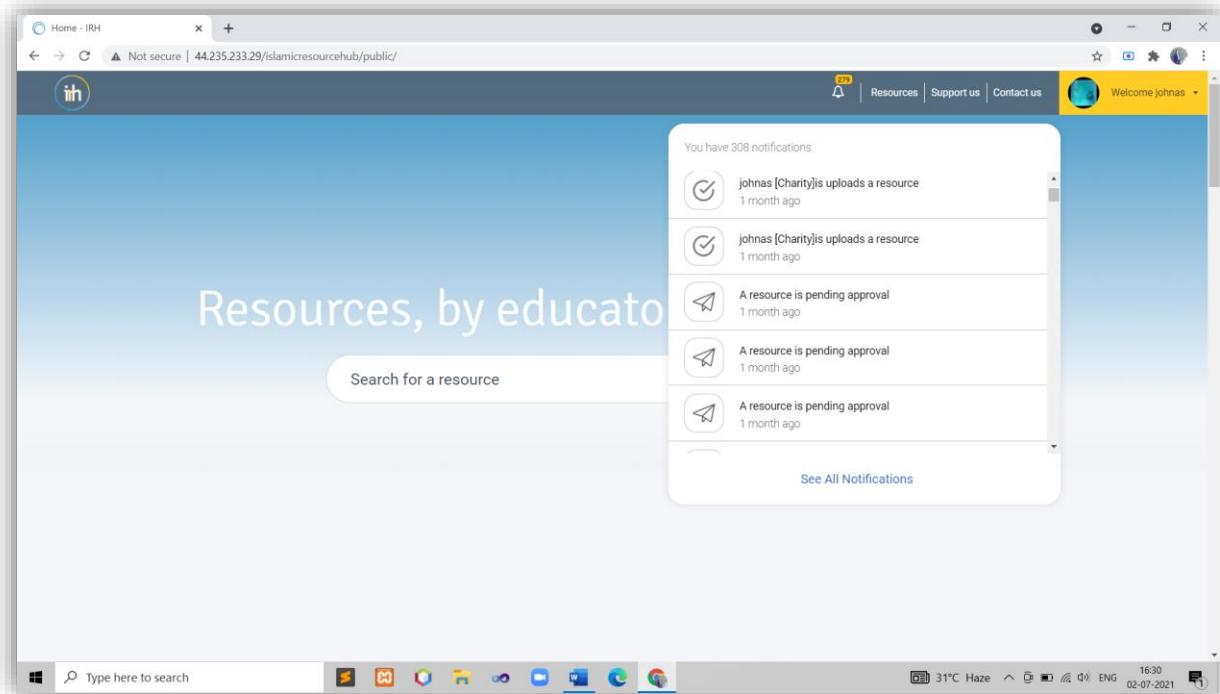
Standard User :: Dashboard

The screenshot shows the dashboard for a standard user named 'Poorni2020'. The top right corner displays the user's name and a profile icon. The dashboard features a large purple profile picture placeholder labeled 'PB'. To the right of the profile picture is a quote from the Messenger of Allah: "The Messenger of Allah ﷺ said: 'Allah said: 'Spend, Oh son of Adam, and I shall spend on you.'" Below the quote is a 'Donate' button with a heart icon. On the right side of the dashboard, there are four boxes: 'Following' (0), 'Followers' (1), 'My resources' (14), and 'Visits to profile page' (0). Below these boxes is a 'QUICK ACTIONS' section with five icons: 'Upload a resource', 'My resources', 'Bookmarked resources', 'Public profile', and 'Account settings'. At the bottom of the dashboard, there are four tabs: 'MY RESOURCES', 'BOOKMARKED RESOURCES', 'DOWNLOAD HISTORY', and 'VIEWING HISTORY'. The taskbar at the bottom of the screen shows various application icons and the system clock.

Moderator :: Dashboard

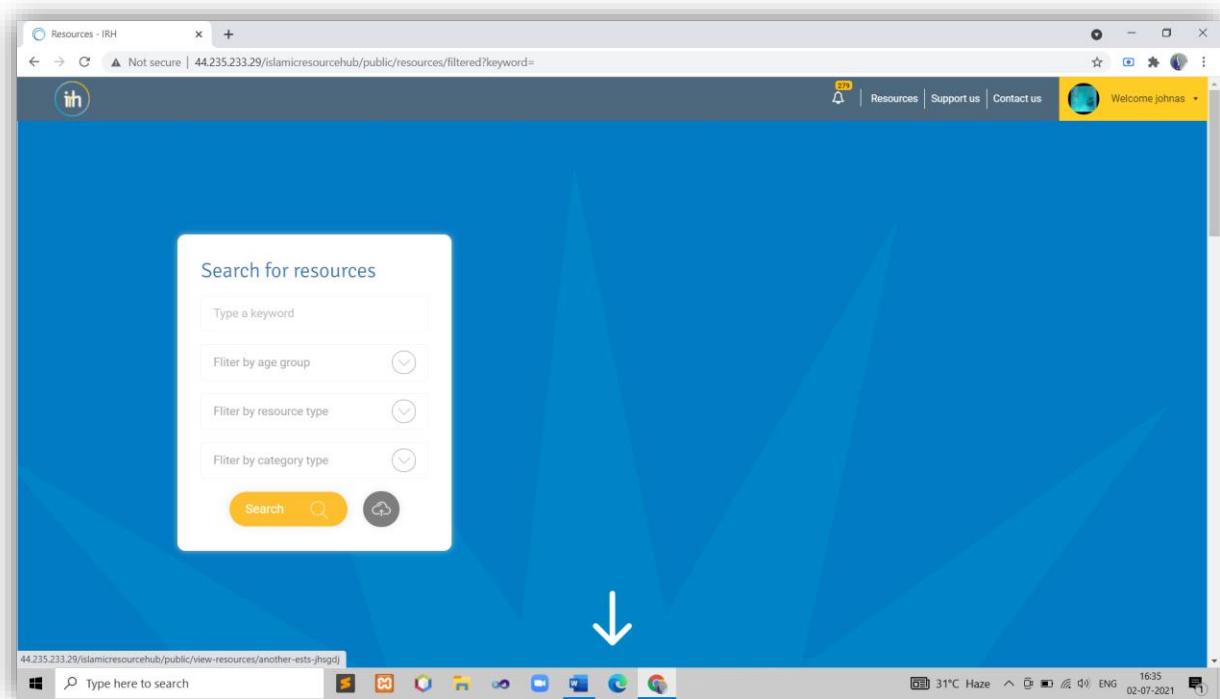
The screenshot shows the dashboard for a moderator account named 'johnas [Charity]'. The top right corner displays the user's name and a profile icon. The dashboard features a large black tablet placeholder with a blue background and butterflies, labeled 'johnas [Charity] Moderator account'. To the right of the tablet is a quote from the Messenger of Allah: "The Messenger of Allah ﷺ said: 'Allah said: 'Spend, Oh son of Adam, and I shall spend on you.'" Below the quote is a 'Donate' button with a heart icon. On the right side of the dashboard, there are four boxes: 'Following' (1), 'Followers' (1), 'My resources' (22), and 'Visits to profile page' (24). Below these boxes is a 'QUICK ACTIONS' section with five icons: 'Upload a resource', 'My resources', 'Bookmarked resources', 'Public profile', and 'Account settings'. At the bottom of the dashboard, there is a 'MODERATOR ACTIONS' section with five icons: 'All resources', 'Pending resources', 'Flagged resources', 'Blocked Resources', and 'Reported users'. The taskbar at the bottom of the screen shows various application icons and the system clock.

Notification ::

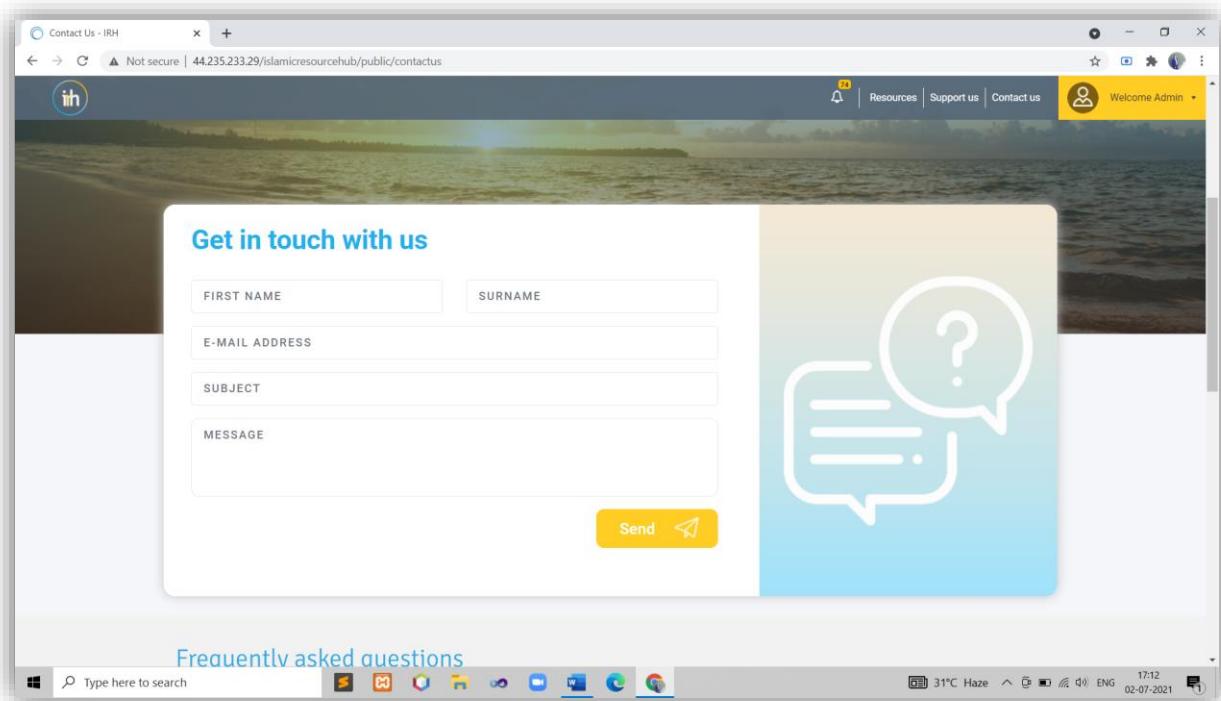


Search Page ::

You can search and filter by age group, category and resource type

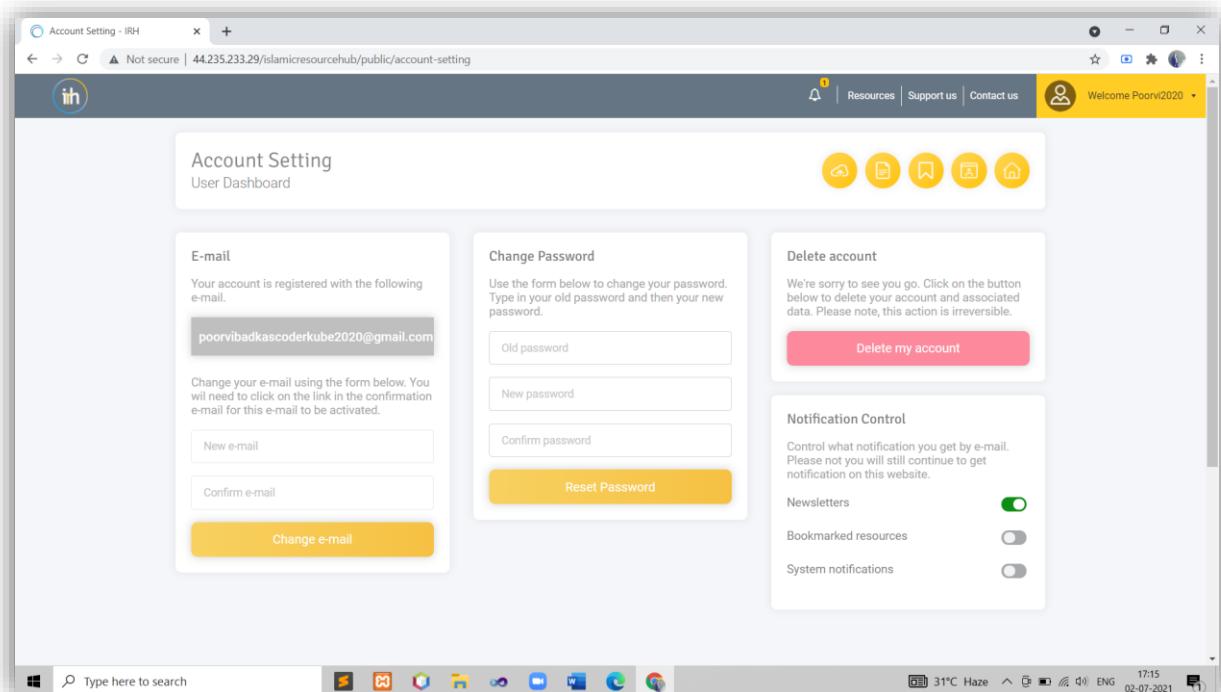


Contact Us Page::



Account Setting ::

you can change password, notification control and delete account here



Edit Profile ::

You can edit Profile info here

The screenshot shows the 'Edit Profile' page of the IRH website. At the top, there are input fields for First name (Poorvi2020), Last name (Badkas), and Email (poorvibadkascoderkube2020@gmail.com). Below these, there is a text area for 'About me' containing the text 'Test'. To the right, there is a placeholder for a profile image with the letters 'PB' and a 'Browse your computer' button. Further down, there are fields for Occupation (IT engineer), Subject expertise (empty), and Country of Residence (Principality of Andorra). On the far right, there are sections for connecting social media accounts (LinkedIn, Instagram, Twitter, Facebook) with their respective URLs or link fields.

My Resource Page ::

You can see your created resources and status here

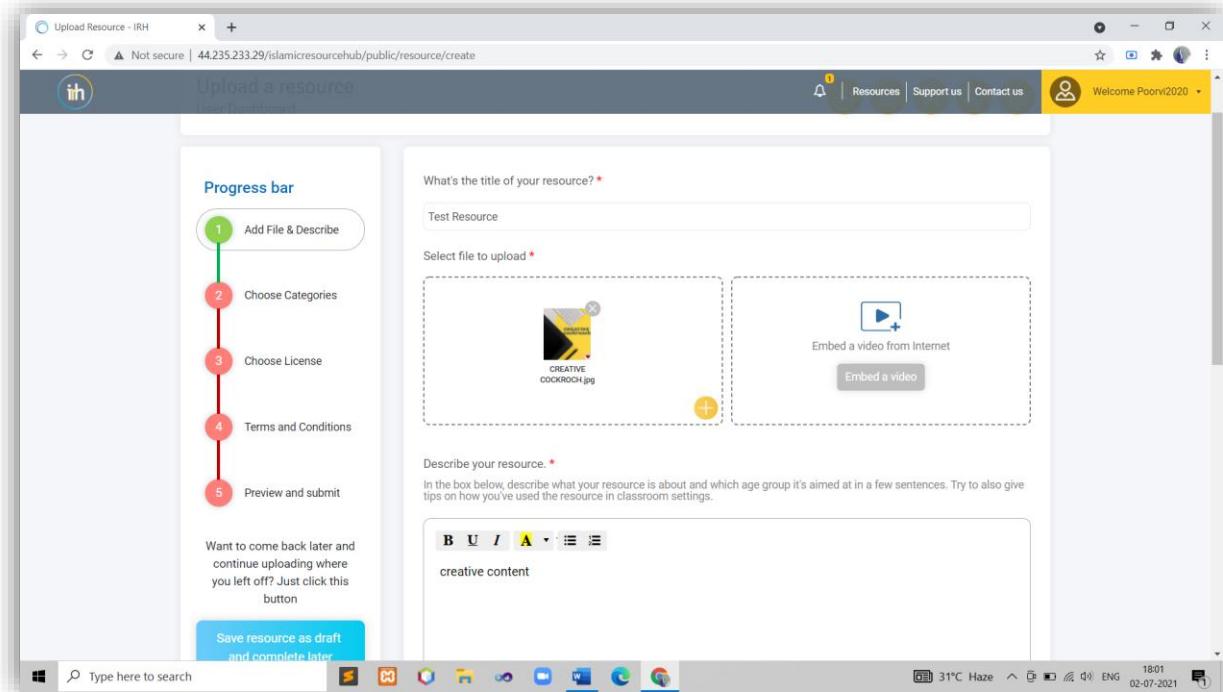
The screenshot shows the 'My Resources' page of the IRH website. It displays a table of five resources:

#	Resource Image	Title	Date uploaded	Status	Rating	Action
1	KEYWORD KIT	happy resource	16-06-2021	Pending	☆☆☆☆☆ 0 reviews	0 0 0
2	KEYWORD KIT	happy resource	16-06-2021	Draft	☆☆☆☆☆ 0 reviews	0 0 0
3		Resource 2	29-05-2021	Live	☆☆☆☆☆ 0 reviews	0 0 0
4		Resource 1	29-05-2021	Live	☆☆☆☆☆ 0 reviews	0 0 1
5		res12354646 sds d	11-05-2021	Pending	☆☆☆☆☆ 0 reviews	0 0 0

Resource Upload Process

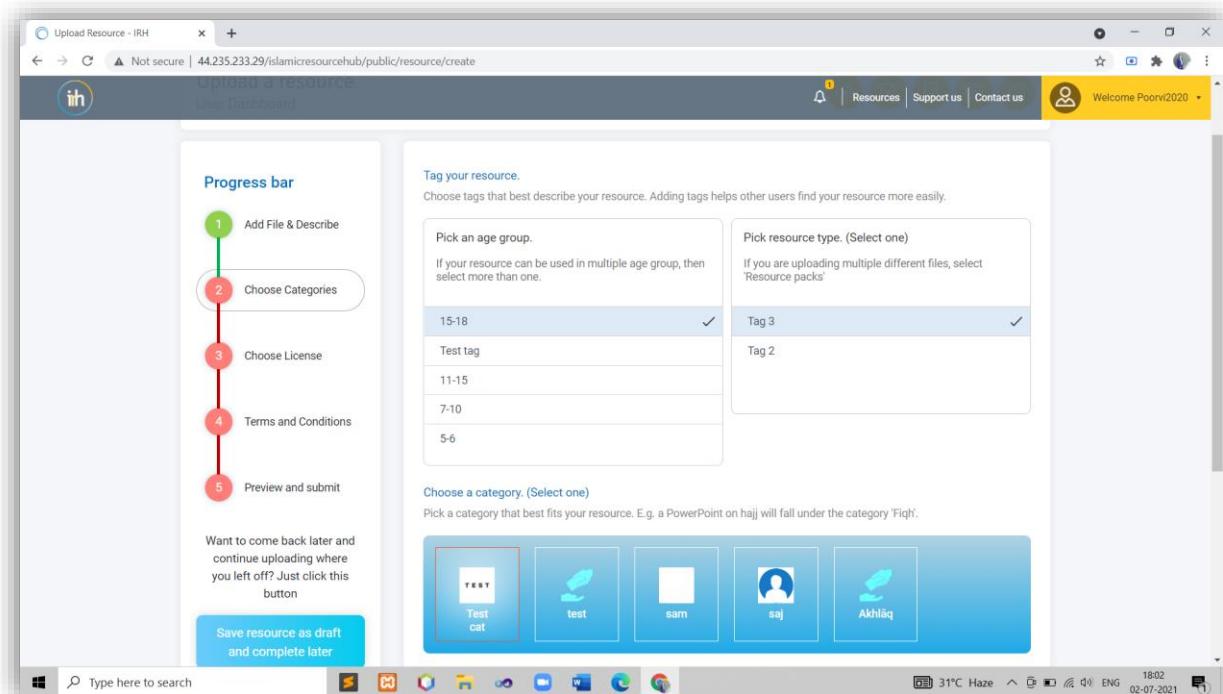
STEP :: 1

You can add basic details like title , description and files for resource



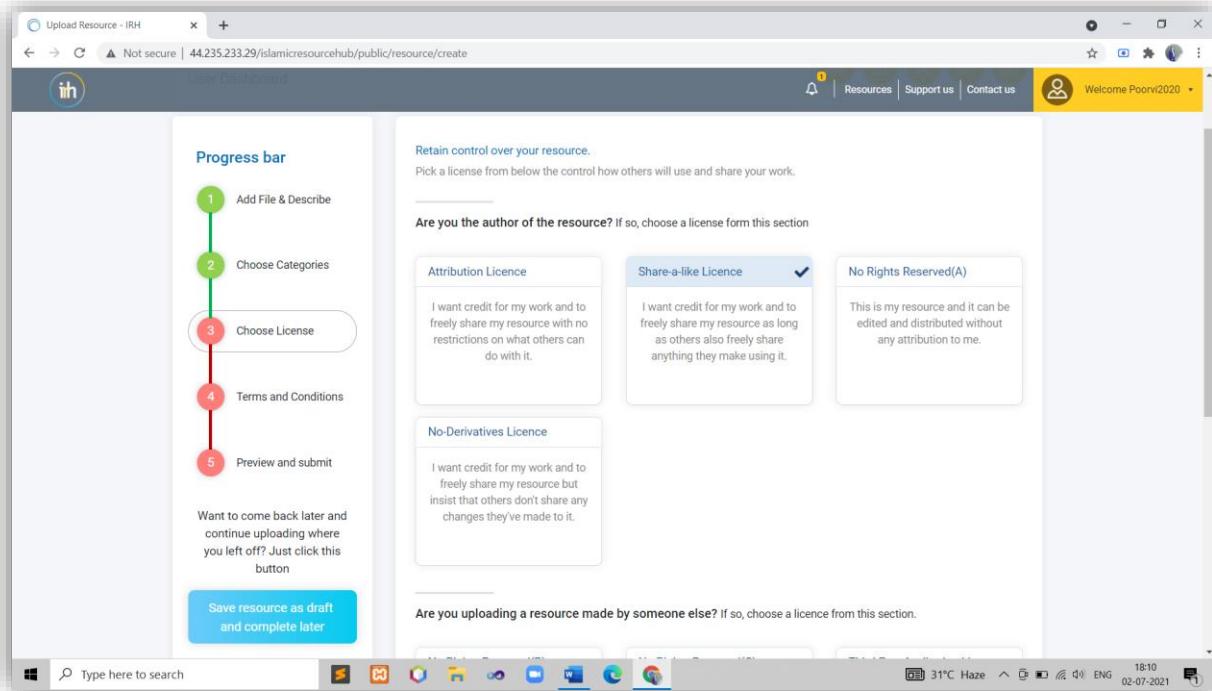
STEP :: 2

You can choose categories for resource here



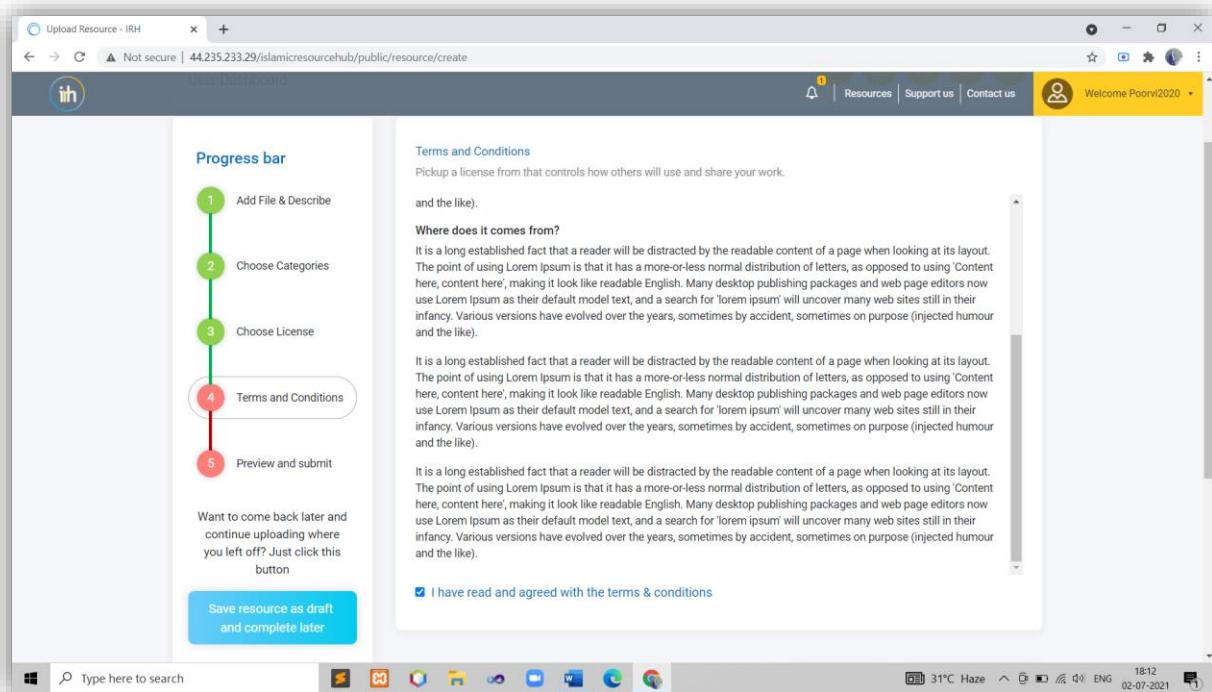
STEP :: 3

You can choose your resource license type here



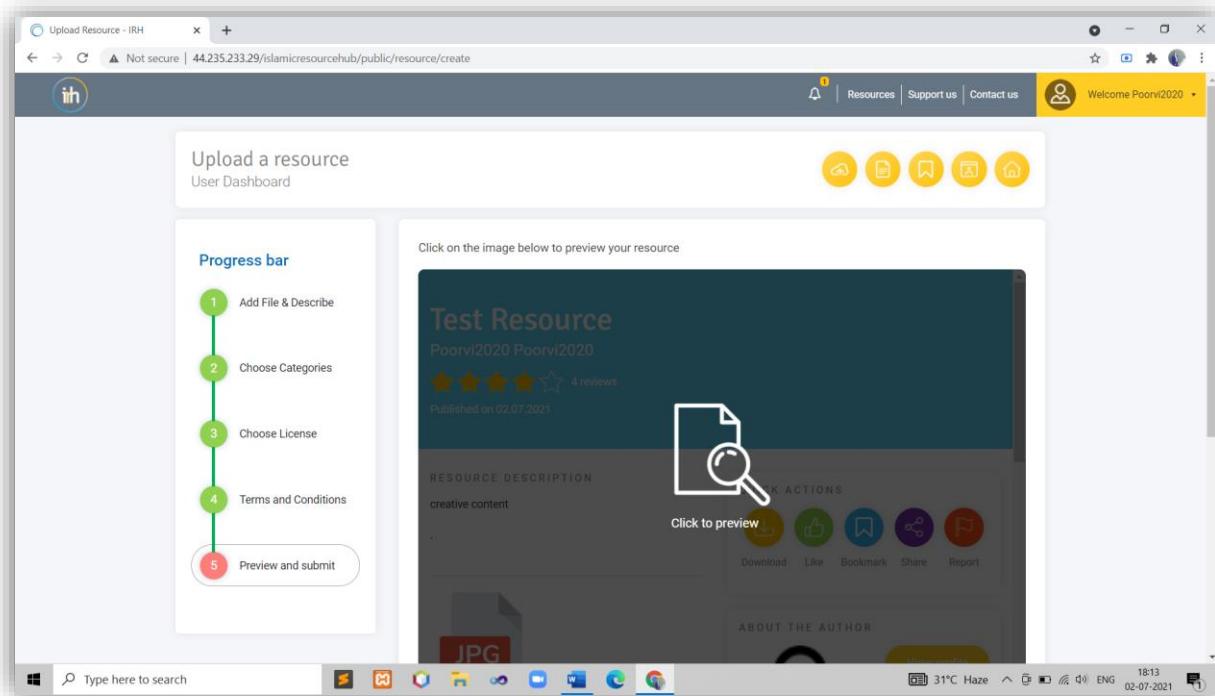
STEP :: 4

You need to accept terms and condition

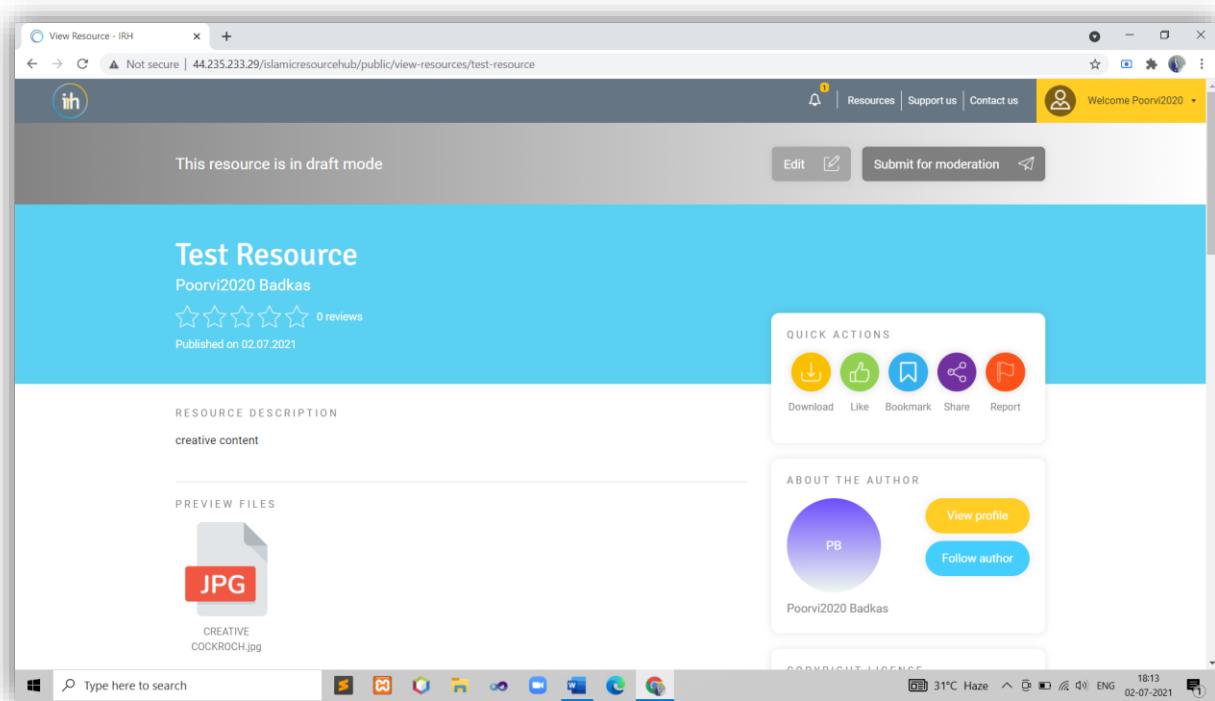


STEP :: 5

You can preview and submit resource here



Preview of resource



Moderation ::

Admin/ Moderator can approve resources as follows

The screenshot shows the 'Pending Resources' section of the Admin Dashboard. At the top, there's a search bar labeled 'Find pending resource' with a magnifying glass icon and a filter icon. Below the search bar is a row of yellow circular icons with icons for download, upload, bookmark, and other actions. The main area is a table with columns: #, Resource Image, Title, Uploader, Date uploaded, Time uploaded, and Action. There are three rows of data:

#	Resource Image	Title	Uploader	Date uploaded	Time uploaded	Action
1		Test Resource	Poorvi2020	02-07-2021	12:31:08 PM	
2		happy resource	Poorvi2020	16-06-2021	05:25:38 AM	
3		res12354646 sds d	Poorvi2020	11-05-2021	07:23:16 AM	

At the bottom of the page, the URL is 44.235.233.29/islamicresourcehub/public/admin/pending-resources# and the system status bar shows 31°C Haze, ENG, 02-07-2021, 18:17.

Notification to admin for new resource that is pending to approve

The screenshot shows the main Admin Dashboard. On the left, there's a sidebar with navigation links: Dashboard, Upload a resource, My resources, Bookmarked resources, Profile, Published resources, Pending resources, Flagged resources, and Blocked resources. The main area features a large blue 'AI' logo with a pencil icon. To the right, a notification overlay is displayed, showing 'You have 284 notifications'. It lists several notifications, all of which are from 'Jazākallāhu Khairan for your donation!' posted 1 day ago or 2 minutes ago. The notification list includes icons for a gift, a checkmark, and a person. At the bottom of the notification overlay are buttons for 'View all', 'Published resources', 'Pending resources', 'Flagged resources', and 'Blocked resources'. On the far right, there are sections for 'Following' (5 users) and 'Public profile' (11 users). The URL at the bottom is 44.235.233.29/islamicresourcehub/public/admin/dashboard# and the system status bar shows 31°C Haze, ENG, 02-07-2021, 18:18.

6. Testing

6.1 Testing type applied

Functional Testing

- Unit Testing
- Integration Testing
- Interface Testing
- System Testing

Non-Functional Testing

- Performance Testing
- Security Testing
- Compatibility Testing
- Reliability Testing
- Reusability Testing
- Extensibility Testing
- Portability Testing
- Maintainability Testing

Note :: Some of Non-Functional Testing is done by Testing Team.

6.2 Test Cases applied

Admin ::

Process	Result
Login	True
Change Password	True
Create Resource	True
Bookmark Resource	True
Like resource	True
Share Resource	True
Comment Resource	True
Download Resource	True
Approve Resource	True
Reject Resource	True
Block Resource	True
Make user verified/ Moderator/Admin	True
Block User	True
Delete Account	True
Notification	True
Site Management	True
Profile Management	True

Moderator ::

Process	Result
Login	True
Change Password	True
Create Resource	True
Bookmark Resource	True
Like resource	True
Share Resource	True
Comment Resource	True
Download Resource	True
Approve Resource	True
Reject Resource	True
Block Resource	True
Block User	True
Delete Account	True
Notification	True
Profile Management	True

Standard / Verified User ::

Process	Result
Register	True
Login	True
Change Password	True
Create Resource	True
Bookmark Resource	True
Like resource	True
Share Resource	True
Comment Resource	True
Download Resource	True
Delete Account	True
Notification	True
Profile Management	True

Not Register User ::

Process	Result
Read Resource	True

7. Limitations

- **Resource Publication Slow ::**
 - All the Resources are need to be approved by admin/Moderator for Standard users.
 - When we have small amount of pending request, It is easy to manage resource approval.
 - But when the site will grow and creators will increase this publication process will Slow down the growth of resources.
- **Can not create Group of creators/ Contributors ::**
 - User can not create a group of creators to share views and create content.
 - One resource can't have multiple authors.
- **Communication between users ::**
 - Users can't communicate with each other on the platform itself.
 - User need to connect via different social media platform that may lead to decrease user activity on our platform.

8. Future Scope

- Allow Groups to Contribute for Resources
- Chatting options to Users
- Live sessions
- Donation to particular user

9. References

- <https://laravel.com/docs/8.x>
- <https://api.jquery.com/jquery.ajax/>
- <https://getbootstrap.com/>
- <https://kenwheeler.github.io/slick/>
- <https://stackoverflow.com/>

