National Institute Of Technology Karnataka, Surathkal
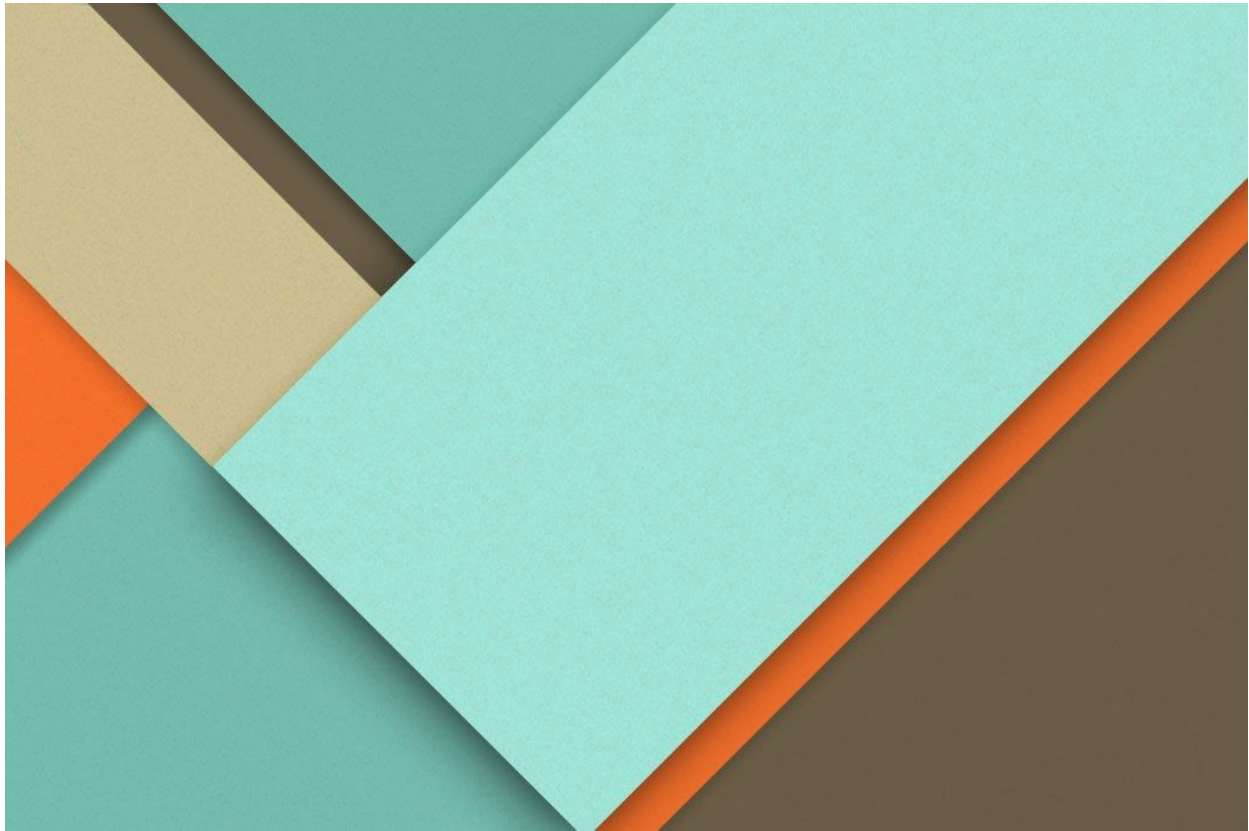# Dept. of Information Technology

Report on Mini Project 'Online-Auction'
Github: https://github.com/gaurav-chaurasia/Online-Auction

Online-Auction

Final Report on Project

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Submitted by
Gaurav Chaurasia (181765, 181CV155)
Upendra Pal   (181780, 181ME282)
Under Guidance of - **Prof.Anand Kumar M**
VI SEM B.Tech (IT Minor)
Batch 2022 EVEN SEM 2019-20

Submitted to
Prof.Anand Kumar M

INDEX

Overview

Initially, the idea was to build an online shopping app for college where students and faculty can sell or buy their products. Still, to make buying and selling more competitive, we decided to build an Online Auction web app where people can put their product for auction, and the highest bidder gets to buy the product.

Technologies used

language used majorly in project is Ruby

Ruby On Rails web framework,

MySql Database,

HTML, CSS, Bootstrap 3, Jquery

Many gems also used listed below

Devise for authentication of user (`https://github.com/heartcombo/devise`)

Sass (`https://github.com/twbs/bootstrap-sass`)

Font Awesome (`https://github.com/bokmann/font-awesome-rails`)

Goals

1. To make needed products available to the needy at relatively good price.
2. Learn and Implement web framework RubyOnRails.
3. Learn the use of databases in web applications like MySql database (used for project).
4. Design Schema for Online Auction web app.
5. Understand Oop's(**Object Oriented Programming**).
6. Understand and Implement MVC(**Model View Controller**) architecture.

Specifications

This web application has lots of features like capability to upload images of products and other details like deadline, starting price ...etc.

- Also it keeps track of deadline as soon as the deadline passes auction ends and user don't get option to bid further
- Then the highest bidder get an option to claim the product
- All the changes and details about auction can be found in **User DashBoard**
- There seperate pages for sold, claimed and user's products details
- Before deadline user can change products deadline etc
- As soon as deadline passes user lose ability to edit product if someone claimed the product

References and useful link

https://guides.rubyonrails.org/

https://github.com/twbs/bootstrap-sass

https://github.com/heartcombo/devise

https://github.com/bokmann/font-awesome-rails
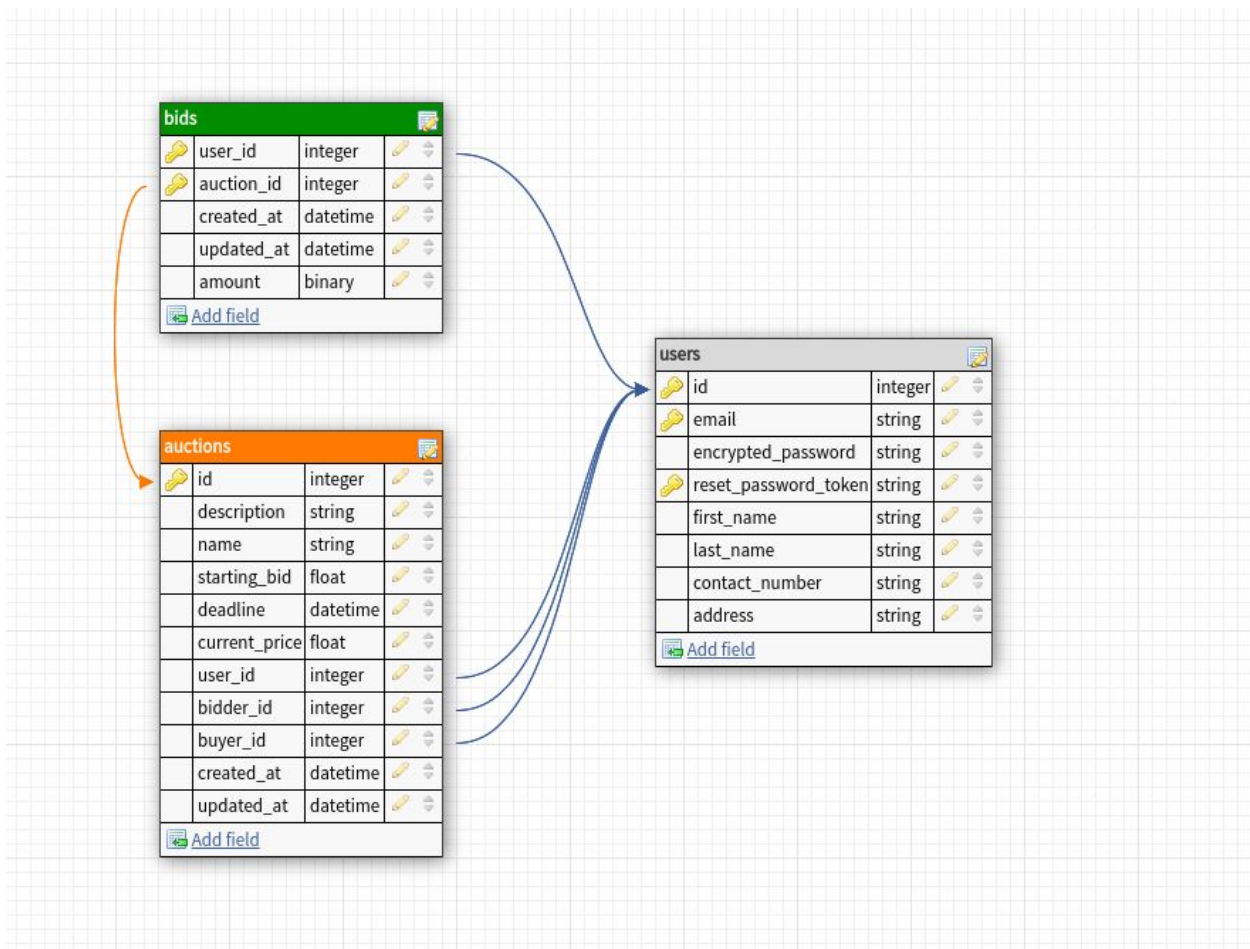
https://github.com/gaurav-chaurasia/Online-Auction

Basic Schema for Online Auction

To store image active storage is used that create separate table to store information and association images to user and auctions

```
15    create_table "active_storage_attachments", options: "ENGINE=InnoDB DEFAULT CHARSET=utf8", force: :cascade do |t|
16      t.string "name", null: false
17      t.string "record_type", null: false
18      t.bigint "record_id", null: false
19      t.bigint "blob_id", null: false
20      t.datetime "created_at", null: false
21      t.index ["blob_id"], name: "index_active_storage_attachments_on_blob_id"
22      t.index ["record_type", "record_id", "name", "blob_id"], name: "index_active_storage_attachments_uniqueness", unique: true
23    end
24
25    create_table "active_storage_blobs", options: "ENGINE=InnoDB DEFAULT CHARSET=utf8", force: :cascade do |t|
26      t.string "key", null: false
27      t.string "filename", null: false
28      t.string "content_type"
29      t.text "metadata"
30      t.bigint "byte_size", null: false
31      t.string "checksum", null: false
32      t.datetime "created_at", null: false
33      t.index ["key"], name: "index_active_storage_blobs_on_key", unique: true
34    end
```

Working of web app is shown in screenshots below

Sign Up form

User can put their credentials here in the form in order to sign up

Here user can fill his/her details

Name (first_name, last_name),

Contact_number,

Address

Email

And the passwords

Note password is first hashed and then encrypted password and reset_password_token is saved to database when sign up button is pressed

Home page

After sign up user redirected_to home / root page

After signing up / login user is sent to home page which is also the **Auction Dashboard**

All the product from different user which are available for auction is present here

In home page all products are presented in very simple and good looking card like design

Edit User details page

Online Auction   Auction Dashboard   Categories▾   🛒 👤 upendra pal▾   **Log out**

Edit User

First name

upendra

Last name

pal

Contact number

1234567787

Address

440
Bhagwanpur,krishnanagar lane no.9 varanasi

Email

upendra-pal@example.com

Password *(leave blank if you don't want to change it)*

Enter Password

(6 characters minimum)

Password confirmation

Confirm Password

Current password *(we need your current password to confirm your changes)*

Confirm Password

Update

Add product page

User can add products for auction by filling details of products

Online Auction   Auction Dashboard   Categories▾   🛒 👤 upendra pal▾   **Log out**

add new product for auction

Name

Maths formulas

Description

controllers/auctions_controller.rb:53: else without rescue is useless
else^controllers/auctions_controller.rb:53:

Starting bid

500

Deadline 2020 ▾ June ▾ 14 ▾ — 00 ▾ : 03 ▾

Image

Choose file mathematical-colorful-formulas-drawn-by-hand-black-chalkboard_101002-77.jpg

Create Auction

[Show | Back]

Lorem ipsum, or lipsum as it is sometimes known, is dummy text used in laying out print,

Product Show details page

After adding product or updating details user is redirected_to this page and an alert message is shown
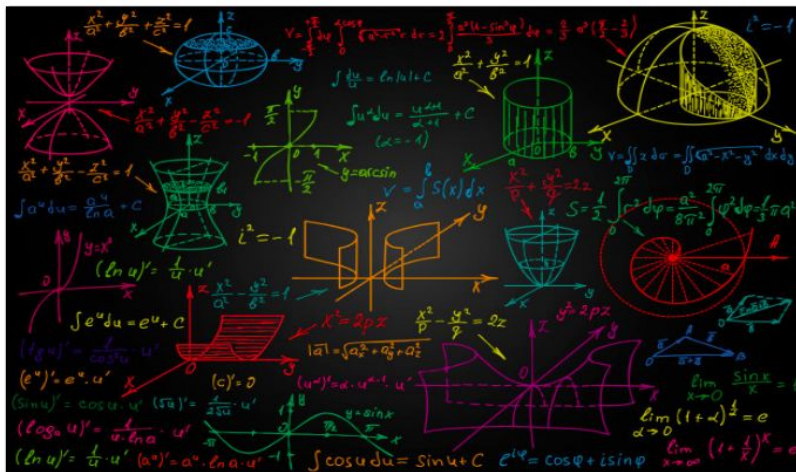

All the details regarding product can be found on this page like

Description

Starting bid

Current price

Deadline

Seller details is also shown in this page below the products card

Alerts are visible on top of page below header

Online Auction   Auction Dashboard   Categories▾   🛒   👤 upendra pal▾   **Log out**

ⓘ You can not bid less than current price or no your own products   ✕

completekit

STARTING BID: 2001.0 ₹
CURRENT PRICE: 2001.0 ₹

Description

Lorem ipsum, or lipsum as it is sometimes known, is dummy text used in laying out print, graphic or web designs. The passage is attributed to an unknown typesetter in the 15th century who is

Deadline was: April 10, 2020 | 12:00 PM

Back to Home   Bid Now   Back
last updated: 2 months ago

Seller Details

gaurav chaurasia

joined Online-Auction: 2 months ago, last updated: 24 days ago

email address

gaurav-chaurasia@example.com

Cart

this contains all product in which current_user have done bidding

Online Auction   Auction Dashboard   Categories▾   🛒   👤 gaurav chaurasia▾   **Log out**

Cart | these are the product in which you have done bidding
Lorem ipsum, or lipsum as it is sometimes known, is dummy text used in laying out print, graphic or web designs.

top-view

STARTING BID: 2999.0 ₹
CURRENT PRICE: 3999.0 ₹

Description

Lorem ipsum, or lipsum as it is sometimes known, is dummy text used in laying out print, graphic or web designs.

Deadline was: April 20, 2020 | 12:00 PM

Claim Product   Products Details   All bids
[owner: **the xyz**] [current bidder: **amit chaurasia**]
added for auction: about 2 months ago, last updated: about 2 months ago

Lorem ipsum, or lipsum as it is sometimes known, is dummy text used in laying out print, graphic or web designs. The passage is attributed to an un...
The passage is attributed to an un...

All bids

This page shows a list of users who has done bidding on the product

For specific product all the bidder are shown here

As soon as auction ends highest bidder gets an option to claim the product

And claimed products are shown on claimed page in **User Dashboard**

Online Auction   Auction Dashboard   Categories▾   🛒   👤 gaurav chaurasia▾   Log out

#	Bidder Name	Amount	Bidding Time	Bidder Contact
1	gaurav chaurasia	1200.0	April 09, 2020 | 8:36 AM	9380042745
2	the xyz	1300.0	April 10, 2020 | 7:49 AM	1234567890
3	gaurav chaurasia	1500.0	April 10, 2020 | 7:49 AM	9380042745

completekit

STARTING BID: 1000.0 ₹
CURRENT PRICE: 1500.0 ₹

Description

Lorem ipsum, or lipsum as it is sometimes known, is dummy text used in laying out print, graphic or web designs. The passage is attributed to an unknown typesetter in the 15th century who is thought to have scrambled parts of Cicero's De Finibus Bonorum et Malorum for use in a type specimen book.

Deadline was: April 10, 2020 | 12:00 PM

Claim

When we press claim it send **PATCH** request and calls claim action in
auction_controller.rb

```ruby
42
43    def claim
44      @auction = Auction.find(params[:id])
45      @auction.buyer_id = current_user.id
46      # print "check 1 2 3 " + @auction.buyer_id
47      # print "1 2 3 check"
48
49      respond_to do |format|
50        if @auction.save
51          # print "check 1 2 3 " + @auction.name
52          format.html { redirect_to @auction, success: 'you have successfully claimed the product!!' }
53        else
54          format.html { redirect_to @auction, danger: 'Somthing went wrong!!' }
55        end
56      end
57    end
58
```