

# ImpulseAuction



# What is it?

ImpulseAuction is a 60-second 2-way auction marketplace built using Ruby on Rails.

# Features

- Bid on listings
- Create listings
- Admin panel
- User dashboard

# Front-end techs

- HTML
- SCSS
- Bootstrap
- jQuery & JavaScript

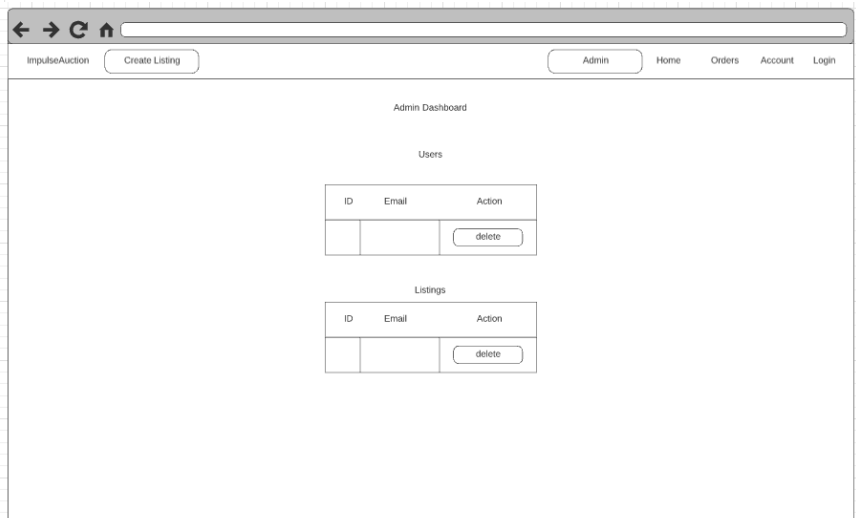
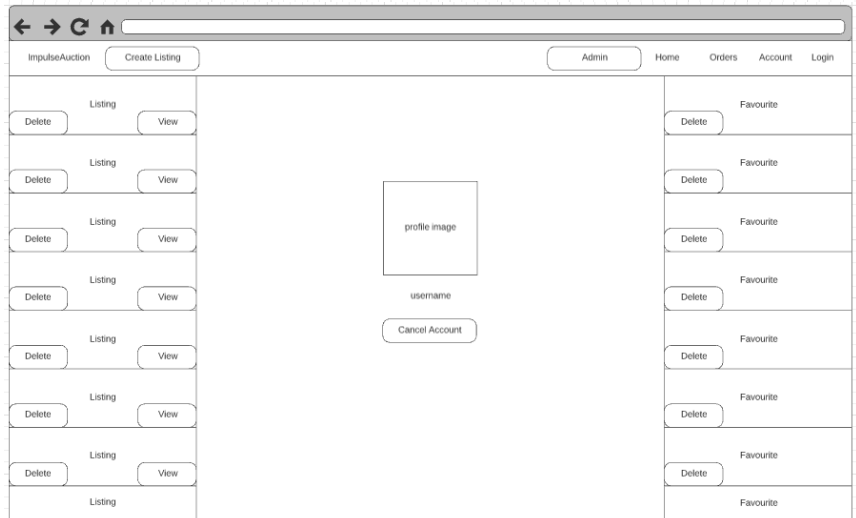
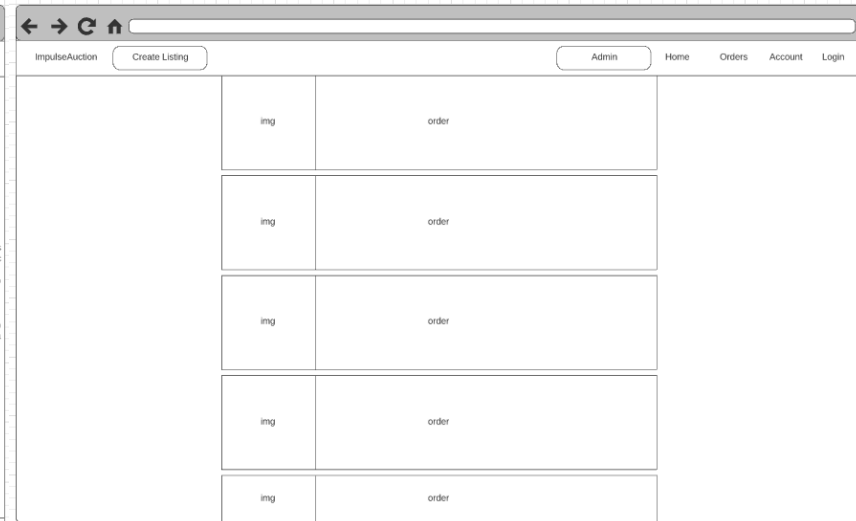
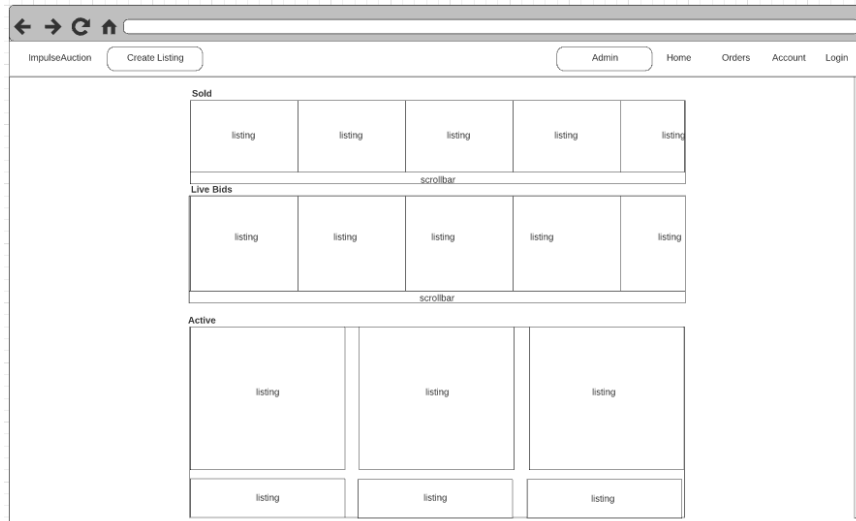
# Third-party techs

- Devise – User authentication
- Aws-s3 – Image uploading
- Stripe – Payment gateway
- Rufus-scheduler – Task scheduler
- Ultrahook – Webhook for exposing local endpoints
- Money – Converting prices to local currency rates

# How do things happen by themselves

```
s.every '1s' do
  @listings = Listing.all
  #check if listing has been
  for listing in @listings
    # check if listing has been up for more than 40 seconds
    if(listing.active == 1 && Time.now > listing.fire_time + 40.seconds)
      # set listing as ending soon
      listing.update(
        :active => 2
      )
      # check if 20 seconds has passed since update and should sell the listing to a user
      elsif(listing.active == 2 && Time.now > listing.fire_time + 60.seconds && !listing.sold && listing.bids.count() > 0)
        # select the highest bid for the listing
        @bid = listing.bids.order(amount: :desc).first
        # create order
        listing.orders.create(:user => @bid.user)
        # set listing as ended & sold
        listing.update(
          :active => 0,
          :sold => true,
          :relist => true,
          :fire_time => Time.now
        )
        # check if 20 seconds has passed since update && !sold
        elsif(listing.active == 2 && Time.now > listing.fire_time + 60.seconds && !listing.sold)
          # set listing as ended
          listing.update(
            :active => 0,
            :fire_time => Time.now,
            :sold => false
          )
          # check if 5 seconds has passed since ended && listing should relist if not sold
          elsif(listing.active == 0 && listing.relist && !listing.sold && Time.now > listing.fire_time + 5.seconds)
            # relist
            listing.update(
              :active => 1,
              :fire_time => Time.now
            )
          end
        end
      end
    end
  end
end
```

# Wireframes



# Website walkthrough



Thank you!