

# Ruby on rails 2 waymarket app

## 1. Explain the different high-level components (abstractions) in your App.

- Includes a complete and detailed description of third party services used in the app

### 1. Database

The role of the database is to hold the data. This is necessary so that data is persistent between sessions. Without a database, information can only be saved in variables, which are temporary memory storage. This means that when a user closes the app and re-opens it, their data would be lost. Data is saved in the database in rows and columns. A page of rows and columns, analogous to a spreadsheet is called a table.

### 2. Routes

Routes are important for the rails application because they direct where information should flow between the models, controllers, and views, and which HTTP verbs are available on which endpoints. The routes are arranged in rails using RESTful API architecture.

## 1. Model

The database is accessed via the model, which has the responsibility of interfacing with the database and passing the information along to the controller. In Rails, the model must be named the singular version of the table

## 2. View

By convention, views are saved in the `apps/views` directory, and then inside another directory with the name of that page's controller. For example if the model was called `'item.rb'`, the controller would be called `'items_controller.rb'` and a directory named `'items'` would need to be created in `apps/views`, then any pages accessed through `'items_controller.rb'`

## 3. controller

The controller contains the logic of the program and is responsible for connecting the model and view, meaning showing the information retrieved from the database to the user.

## 2. List and describe any 3rd party services.

- Precisely explains and shows understanding of the different high-level components of the app

### 1. Devise

Devise is a Ruby gem which provides a flexible authentication solution. In greatdeal-marketplace, Devise was used to generate the users table in the database, user model, controllers (not in the rails files), and views relating to signing in, registering, and resetting passwords.

## PostgreSQL

PostgreSQL was the database used for greadeal-marketplace. PostgreSQL is a free, open-source, relational database. PostgreSQL can be easily integrated with a rails application when the application is created by typing.

```
rails new project_name -d postgresql
```

## Heroku

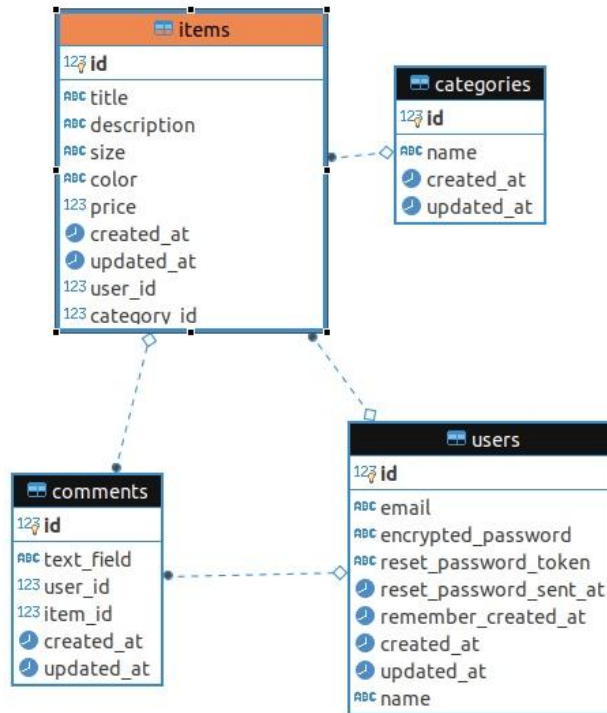
The application is hosted using the cloud hosting provider Heroku. Heroku provides instructions for how to deploy a rails application on the platform, making the deployment easy for the purpose of this project. Lastly, Heroku can also be synchronised with the repo on github, which allows any updates pushed to github to be immediately reflected on the website hosted using Heroku.

### 3.1. Identify the problem you're trying to solve by building this particular marketplace App?

- Demonstrates a full understanding of the problems that exist in a relevant marketplace that needs disrupting

### 3.2 Why is the problem identified a problem that needs solving?

Usually working people are very busy after finish work they might be too tired to go normal shopping, so online shopping could help these people to buy what they want and get it to delivery on the door. online shopping could save more money and time as well for example a cost to travel to shopping center and time shopping around the shops.



Thank you