#ZivHack

November 15 - 16, 2014





Wifi

Username: zivhack Password: zivhack2014

Welcome

Welcome to #7ivHack!

Below are few house rules and we would appreciate your cooperation.

Cleanliness

Rooms, food, drinks and technical infrastructure will be provided, please use their equipment with respect and tidy up after yourself.

Hacking etiquette

Please use the provided internet connection in a legally fitting manner. Don't hack into secured resources or download illegal media content. If we find out about misuse we will disqualify you and your team. In the case of severe misdoing we will bring you to the attention of the authorities.

Premise Rules

There will be restrictions on accessing certain parts of the building (e.g. server rooms) so please be respectful and avoid those areas.

Common sense etiquette

No force, violence, stealing will be tolerated.

Be thoughtful in the spirit of innovation and inclusiveness, there may be minors participating in the event, any content should not contain explicit content.

Be respectful to others.

Behave professionally. Remember that harassment and racist, sexist, or exclusionary jokes are not appropriate for this event.

Attendees violating these rules may be asked to leave the Hackathon at the sole discretion of the Hackathon organizers.

Be Awesome & Have Fun

Hack, meet new people, get creative, and have a good time. Getting something meaningful done within such a short amount of time can be stressful, but we'd like to encourage everyone to take a break every now and then to relax and enjoy the event.

Problem Statements

Problem A

Responsive Mobile Site

Build

A responsive optimized mobile store. Build a category page, product page and a cart page.

Product Attributes:

- Main image
- Other images
- Categories (can be many)
- Price (MRP)
- Special Price (discounted price)
- Description
- Size (multiple)
- Color (can be multiple per size)
- Inventory (has to be per color, which is in turn per size)

Category Attribute:

Name

Technology

Node.js (preferred) / PHP / Python / Java

Database

Use a NoSQL database like MongoDB

Judging Criteria

Choice of Architecture NoSQL Schema Application Performance

Problem B

Rule Engine

Build

A Rule Engine from scratch (do not use any available open source rule engine). We are expecting a User Interface for entering the rules.

Database schema

The sample database schema is given below

```
table_category
     category_id
           int(11)
     category_name
           varchar(100)
table_product
     product_id
           int(11)
     product_name
           varchar(100)
     product_price
           decimal(8,2)
     product_special_price
           decimal(8,2)
table_product_category
     f_product_id
           int(11)
     f_category_id
           int(11)
```

Input

The input to the rule engine is a set of products with its categories and special price.

The rule engine needs a set of conditions and a set of actions listed below.

Conditions

Cart total Category id

Exclusions:

Category id

Actions

Free Shipping % Discount Flat Discount Free Product

The conditions and exclusions can be grouped via brackets.

Samples

Rule

Example rules:

Rule 1

Rule 2

Judging Criteria

Correctness

Choice of algorithm(s)

Submission Guidelines

Direct your project to submissions+zivame@venturesity.com in the following format: Name:

Link(s) to the application (zipped source code hosted on the web AND/OR github repository url AND/OR deployed application link):

Usage instructions:

We can't wait to see what you create!

VH Education Pvt. Ltd.

Ground Floor, No. 46, 11th Cross Indiranagar 1st Stage Bangalore - 560038

IN: +91 959 009 1584 US: +1 202 558 2075

Support: help@venturesity.com

Zivame.com

Actoserba Active Wholesale Pvt Ltd 74/1, 1st Floor Patel Krishna Reddy Colony Domlur Layout Bangalore-560071

Customer Care: customercare@zivame.com