**JAVA LIVE PROJECT**

The project is to create an ecommerce platform with payment integration, shopping cart and admin panel.

The product search will be based on Elastic search.

The total duration of the project training is 1 month.

Project will be written in Spring MVC with JPA Hibernate and Webservice

Important Modules:

1) User Module:

2) Product Module

3) Payment Module

4) Search Module

5) Admin Module

What will be provided by ZenRays:

1. Project Guidance
2. Guidance from consultant
3. UI Screens with HTMLs for Front End
4. Cloud Infrastructure for deployment and making it live
5. GIthub Support ( if needed )

What you will be doing

1. Backend DB Design: You will be designing the database schema. -- 3 days
2. User module : 10 days
3. Product Module: 10 days  .. show products, manage delete products,UI integration,product quick view, photo gallery.
4. Payment Module: 7 days
5. Search Module - 5 days -- Elastic search
6. Admin Module -- 10 days
7. Deployment and making live in cloud: 5 days

**SDLC (Software Development Life Cycle):**

SRS :Software Requirement Specifications ( as stated above )

   BA will collect requirements.

HLD : High Level Design Document

    Overall flow, components, diagrams, all of which can be understood by any stakeholder.

LLD : Java classes, diagrams, tasks breakdown structure,

Code: Spring MVC, JPA Hibernate, Connecting to Webservice

       JSPs, Controller, Service, DAO layers, config files, property files, logger

Test Cases : Document for listing all possible usage of the Application.

Testing: Unit testing(JUnit is used, test case for each method, code not sent to production), Integration Testing by Developer or peer.

            Product testing and regression testing by Quality Analyst (Tester)

UAT : User Acceptance Testing. Done by user in dummy environment

Production : Testing and deployment

CR: Change request. Should be done freely if we have missed SRS, else PM will raise costing again.