



Course Project : E-Shop WebApp (Python+Flask)

Introduction to Software Engineering for Engineers

Team



To gain
end-to-end
knowledge of
web app
design and
development

Aarathi

Bachelor's in Electrical and
Electronics Engineering

Test Automation for Automotive
Infotainment Systems

- Languages: Python, C++
- DB: PostgreSQL
- Tools: QGIS, Squish, Jenkins, Jira, Git, Crucible, Artifactory, Confluence, Tableau
- Interests @ OVGU: Machine Learning & Data Mining

Aneesh

Bachelor's in Electrical and
Electronics Engineering

Software Support, Application
Lifecycle Management

- Languages: Python, C
- Embedded Systems: VHDL, System Verilog, SoC
- Tools: Vivado, Xilinx IDE, Vitis HLS, Booksim, Keil MDK, IAR Embedded Workbench
- Interests @ OVGU: FPGA & SoC

Supriya

Bachelor's in Electronics and
Communication Engineering

DevOps Engineer, Application
Operations Engineer

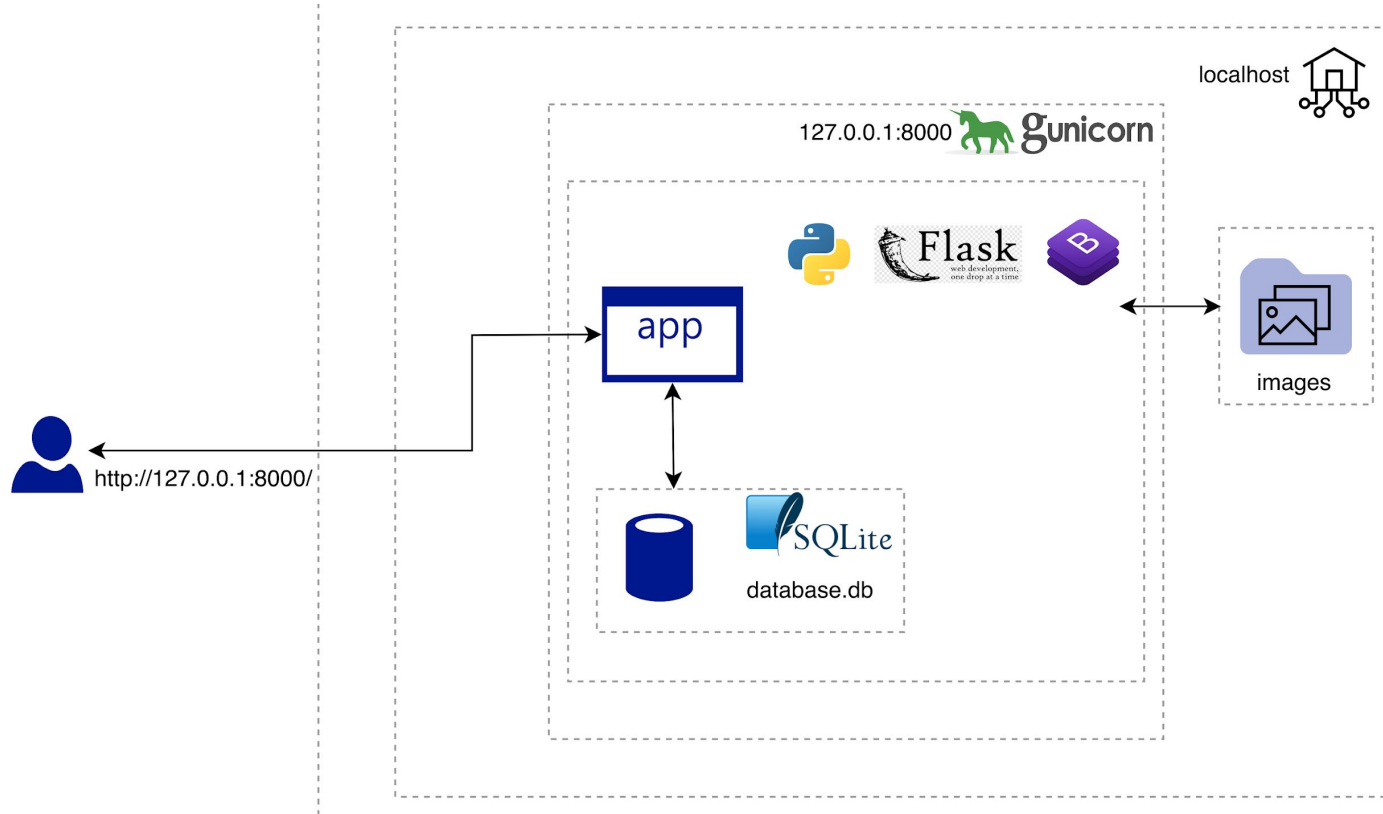
- Languages : Java, Python, Shell
- Cloud & DevOps Tech : GCP, Docker, Kubernetes, Terraform, Jenkins
- Interests @ OVGU: Machine Learning & Data mining



antiQKraft
ANTIQUES & ART

AntiQKraft is an eCommerce platform to buy and sell antique art and artifacts across a wide range of categories

Architecture & Technology Stack

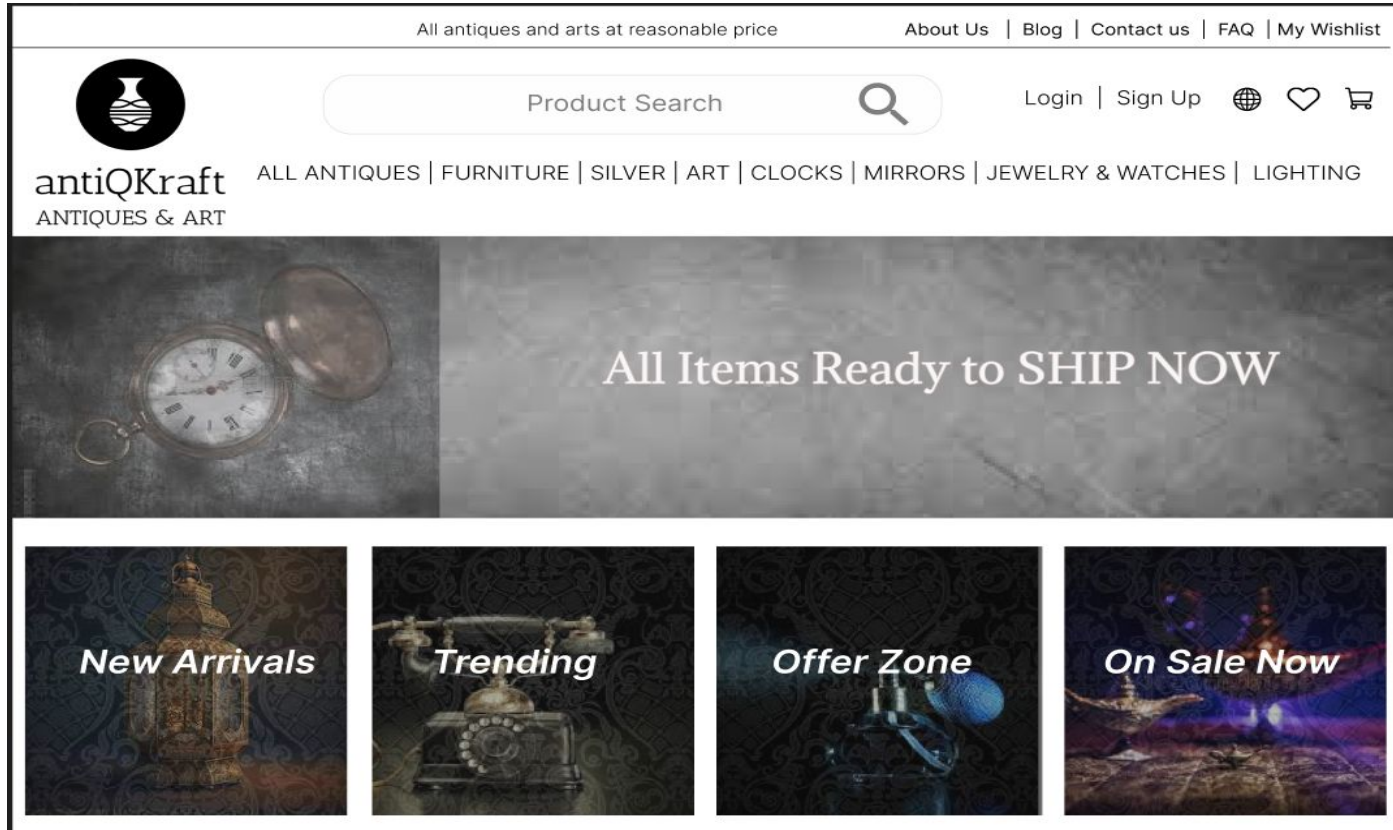


Code Repository & Directory Structure

```
antiKraft-eshop/
├── backend                                // Business logic and DB CRUD operation
│   ├── controller.py
│   └── model.py
├── images                                // Product images uploaded by seller, can be moved to cloud storage
│   └── dummy.png
├── static                                // CSS, images and other static content
│   ├── logo
│   ├── team-logo
│   ├── Architecture.drawio
│   ├── Architecture.png
│   └── homepage.png
├── templates                             // UI - htmls
│   ├── homepage
│   ├── product-page
│   └── base.html
├── tests                                 // Test cases
│   └── test.py
├── LICENSE
├── README.md
├── antikraft-app.py
├── requirements.txt                       // Pre-requisites to be installed
└── schema.sql                           // Sqlite database schema
```

Link here - <https://code.ovgu.de/ulos69uq/antikraft-eshop>

Wireframe



Link here -

<https://www.figma.com/file/ITzeFelvggNDR5T4Rf2iuD/Untitled-2?type=design&node-id=0%3A1&t=qHoMnsUV7lsfaW4J-1>

Requirement Analysis

Home Page	Login Page	Profile Page
Header - Logo, Search Bar, Login button/Profile button, Cart Navigation Bar – Category, Dropdown with sub-categories Banners Offer tiles	Username Password Login Button Registration	Reward Post ad Post offers
Category Page	Product Page	Register Page
List of Product – Product tiles	Images Description Price Stock Add to Cart Reviews	First Name, Last Name Username – Email Address Password, Confirm Password Phone Number, Address

Project Plan - Epics

E-Shop Business & Logo

Sprint Planning

Technical Design

Code Baseline

Wireframe

Home Page

Seller Services

DB Schema Design

Product Catalog

Category Page

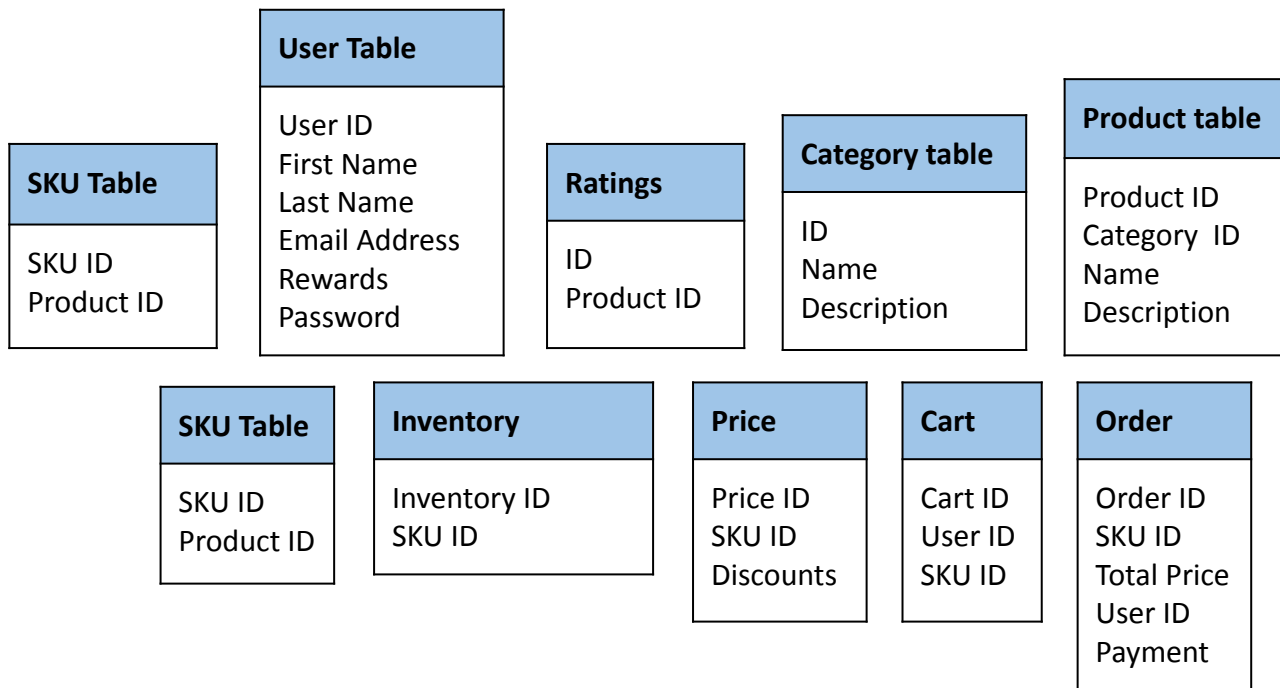
Product Page

Cart & Checkout

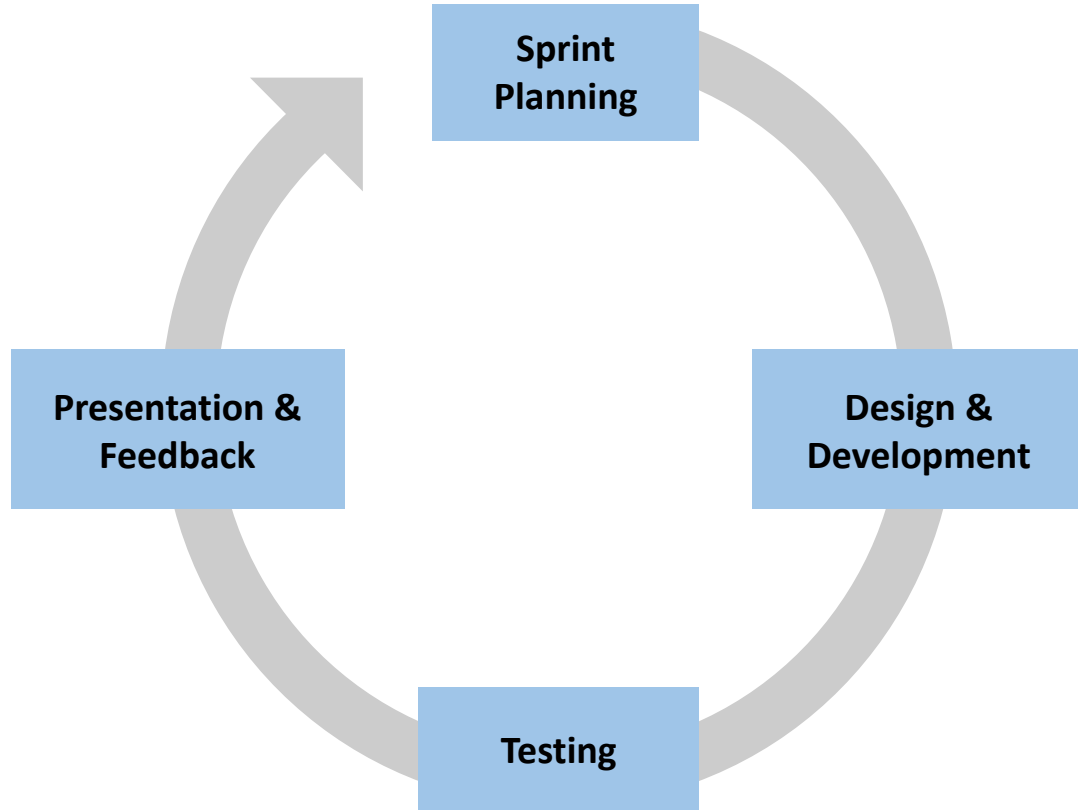
User Account

Ratings

Schema Analysis



Project Management



Sprint Plan

The screenshot displays a GitLab Issue Board for a project named "antiQKraft - Spri...". The board is organized into four columns: "TO DO", "IN PROGRESS", "IN REVIEW", and "Closed". Each column contains a list of issues, some with labels like "DONE" or "GROUP_TASK". The "TO DO" column has 5 issues, "IN PROGRESS" has 1, "IN REVIEW" has 1, and "Closed" has 5. The issues are numbered #1 through #12. The board also includes a search bar, a "Create list" button, and a "Showing all issues" message at the bottom.

Supriya Pandurangacharya Upadhyaya > antiQKraft-eshop > Issue Boards

antiQKraft - Spri... Search Edit board Create list

TO DO 5

- User Account #11
- Product Catalog #8
- Seller Services #9
- Cart & Checkout #12
- Ratings #10

IN PROGRESS 1

- DB Schema Design #7

IN REVIEW 1

- Wireframe Design #6

Closed 5

- Code Baseline #5 **DONE**
- Technical Design #4 **DONE** **GROUP_TASK**
- Sprint Planning #3 **DONE**
- Tech Stack - Learning #2 **DONE** **GROUP_TASK**
- e-Shop Business & Logo #1 **DONE** **GROUP_TASK**

Showing all issues

Thank You!