# The ChicVault

Group Members

1. Kreena Mistry
2. Bhumika Patel
3. Jenni Cardozo Ariza

Course Number and Course Title

PROG 8751 – 24F Capstone (Web Development)

Semester 4

Submitted to : Prof. Pratish Shelar

## The ChicVault

**Introduction:**

ChicVault is an exclusive e-commerce platform that transforms the conventional beauty shopping encounter by assembling an exquisitely selected collection of the best cometics, skincare, and lifestyle items. Our platform caters to discriminating customers who want to find the newest trends, quality, and exclusivity in one location. At ChicVault , we think that beauty is more than appearance; it’s about confidence, self-expression , and finding happiness in routine self – care activities.

ChicVault provides a distinctive shopping experience catered to personal tastes, with a focus on luxury and customisation. Our intelligent recommendation engine creates personalised recommendations that suit your style by taking into account your preferences and actions. Whether you’re looking for the newest skincare breakthroughs, the ideal lipstick shade , or high-end fragrances, ChickVault makes sure that every product lives up to our exacting standards for effectiveness and quality. It contains four to five pages in total.

ChicVault turns shopping into an inspiring and engaging experience by incorporating social features and professional advice. Welcome to ChicVault , where convivence and luxury collide , and each purchase advances your sense of style.

**Project Proposal:**

1. Describe your project

ChicVault is a premium online marketplace that curates and sells high-end products related to skincare, beauty, and lifestyle. It offers a smooth, opulent shopping experience by emphasising premium brands and providing customised products recommendations according to user preferences. In addition to being an online store. ChicVault is a community for beauty enthusiasts that offers expert-curated content like how-tos, product reviews, and trend advice. In order to increase user engagement, social features are integrated, enabling users to follow influencers , exchange feedback and take part in discussions.

1. Benefits of doing this project?

* Hands-On Experience:

Direct Experience with Android APIs, Java/Kotlin, UI/UX design principles, and app lifecycle management. This Practical experience will prepare us for real-world application development.

* Knowledge of Tools:

Understanding of Android Studio’s tools, including the Layout Editor, Gradle build system and Android Debug Bridge is what you learn. Being Proficient with these tools will increase our debugging and development productivity and efficiency.

* Problem Solving Skills:

Bug-fixing, performance-enhancing, and troubleshooting techniques. Being able to solve problems will make us more proficient developer and enhance the functionality of apps.

**Technology description:**

* Android SDK (Software Development Kit)

Provides the essential components needed to build and run Andriod apps. It includes APIs for accessing device hardware.

* Java/Kotlin

Java has extensive libraries and frameworks. Kotlin

Is easy to use and interoperable with java code. Also, it has concise syntax.

* XML (extensible Markup Language):

It is used to define the structure and layout of user interfaces in Android. XML files specify the arrangement of UI elements.

* Gradle

It automates the process of compiling code, packaging resources and generating APK files. Uses build. Gradle files for specifying project settings, dependencies and build types.

* Firebase

Authentication : Provides easy-to-use authentication methods, including email/password , social media logins , and more.

Real-time Databse : A NOSQL cloud database that synchronizes data in real time across all clients.

Cloud Stroage: Offers scalable storage for user-generated content like images and videos.

Analytics: Tracks user behavior and app performance with detailed reports.

## **Market Survey**

Based on the most recent job postings for Android and eCommerce app development, here are the top-ten technologies frequently requested:

* Kotlin
* Java
* Android SDK
* Firebase (Authentication, Database, Storage)
* REST APIs
* React Native (for cross-platform development)
* XML (for UI design in Android)
* Git/GitHub (version control)
* Gradle (build automation)
* UI/UX Design (Material Design principles)

These technologies align closely with the development of the ChicVault platform, ensuring practical skills that will be beneficial for future employment opportunities.

Referral Article : https://www.apptunix.com/blog/make-a-on-demand-beauty-app-like-nykaa/

## **Conclusion**

With a distinctive e-commerce platform that skillfully combines upscale purchasing, tailored suggestions, and social interaction, ChicVault hopes to bring beauty enthusiasts together. Our aim is to provide a wide range of services, such as expertly selected content, social feature integration, a simple buying experience, and a premium beauty selection. ChicVault distinguished itself as the ideal destination for individuals seeking luxury and innovation in beauty with its secure payment method and concentration on high-quality skincare, beauty, and lifestyle products. Accompany us on our journey to enhance self-expression, self-assurance, and self-nurturing via a motivating virtual marketplace.

**GitHub Link**

<https://github.com/RoseCar/CapstoneProject>

Wireframes:  
