

# SmartDeal an App for All E-Commerce Applications

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**Abstract** – We are making a new app using java and android SDK. This app has been design focusing on giving you one place for all your online shopping and giving you a better user experience. By using this single app now you can shop at various online stores, recharge your mobile, pay your online bills, online booking of a movie, flight, train, bus tickets, hotel and much more. It include the all popular online stores in India and online shopping. Website in India so you don't need to visit multiple website and Install their individual app for shopping. You can obtain extra benefits with the help of this app. Extra benefit will update in your wallet account, you can recharge your mobile or transfer fund in your bank account. This app is lightweight so it consumes less amount of battery power.

**Index Terms** – Android app, Time saving, memory saving, combination of all e-commerce apps .

## 1. INTRODUCTION

Today's online based shopping market is increasing rapidly because it's give lot of option for chasing the product across the online shopping stores. This app has been design focusing on giving you one place for all your online shopping and giving you a better user experience. By using this single app now you can shop at various online stores, recharge your mobile, pay your online bills, online booking of a movie, flight, train, bus tickets, hotel and much more.

It include the all popular online stores in India and online shopping Website in India so you don't need to visit multiple website and Install their individual app for shopping. You can obtain extra benefits with the help of this app. In coming chapter we will show you about the working of this app and we are also dealing with what is the problem in existing system and disadvantages of the existing system. Existing system are

- Available app is worked only with that particular company.
- If you are using amazon App than you only can access the product which are available on amazon seller.
- All the essential file are stored in app in shared preference which make the application big a heavy.
- It consumed more internet data because it fetch data every minute

Proposed system is working with the combination of android, PHP and MYSQL. First login is required so we stored the

information about the user. If login is successful then it lunched the home activity. At time of lunching the activity it fetch the data of amount of cash back from the data base and display the information. Search and compare the product option is available on the option menu. Recycler cardview and webview are used to display the Ecommerce company.

- User interface design of App is developed by using XML and java language.
- XML is used for drawing the basic structure of layout. Each items are defined and added in XML layout.
- Properties of items are written in XML file. Java is used for visual presentation of XML layout. Inflate method is used for load and initialize the layout.

Advantages:

Following are the advantages:

1. Different types of online store can be accessed.
2. Improved user interface design.
3. Provide search options for particular product.
4. User get benefits of extra discount.
5. Boost the battery lifecycle of the device
6. Save memory space of the device.
7. Option for product comparison.
8. Different section for better shopping experiences

## 2. SYSTEM ARCHITECTURE DIAGRAM

A system architecture or systems architecture is the conceptual model that defines the structure, behavior, and more views of a system.<sup>[1]</sup> An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and behaviors of the system.

A system architecture can comprise system components, the expand systems developed, that will work together to implement the overall system. There have been efforts to formalize languages to describe system architecture, collectively these are called architecture description languages (ADLs).

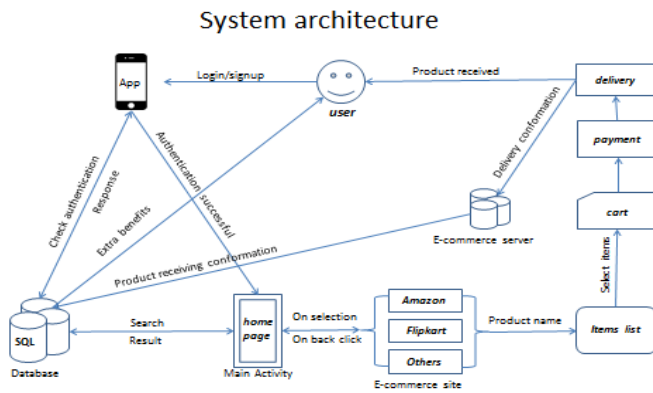


Figure 1 System architecture

### 3. DATA FLOW DIAGRAM

A data flow diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination. Data flowcharts can range from simple, even hand-drawn process overviews, to in-depth, multi-level DFDs that dig progressively deeper into how the data is handled. They can be used to analyze an existing system or model a new one. Like all the best diagrams and charts, a DFD can often visually “say” things that would be hard to explain in words, and they work for both technical and nontechnical audiences, from developer to CEO. That’s why DFDs remain so popular after all these years. While they work well for data flow software and systems, they are less applicable nowadays to visualizing interactive, real-time or database-oriented software or systems.

### Dataflow Diagram

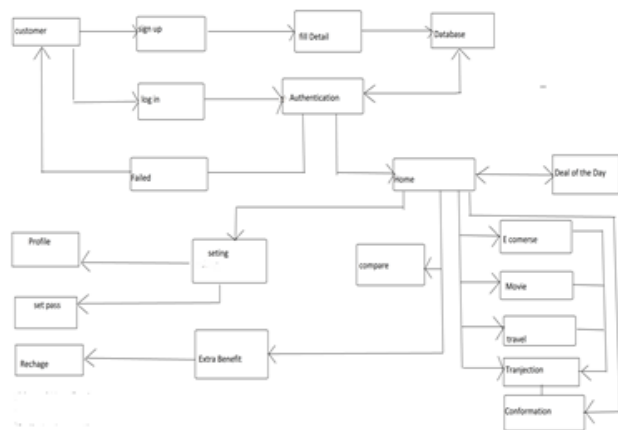


Figure 2 Dataflow diagram

### 4. RESULTS AND DISCUSSIONS

The project named Smart Deal has been designed with the using java and XML code. System has satisfied all the proposed work. This project is implemented successfully. This app will give the excellent result in term of user interaction with online shopping and comparison of product. After all it will give the good user interface and enhance the chance of getting the good product on very efficient price.

All the tables should be presented as shown above.

### 5. CONCLUSION

The project named Smart Deal has been designed with the using java and XML code. System has satisfied all the proposed work. This project is implemented successfully. This app will give the excellent result in term of user interaction with online shopping and comparison of product

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