ATMIYA UNIVERSITY
(Established under the Gujarat Private University Act 11, 2018)
Yogidham Gurukul, Kalawad Road, Rajkot - 360005, Gujarat (INDIA)

Project Report

On

"News Application"

Under subject of

MAJOR PROJECT

B.Tech, Semester – VIII

(Department of Information Technology)

Submitted by:

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Prof. Piyush Kashiyani

(Faculty Guide)

Prof. Darshan Jani

(Head of the Department)

Academic Year

(2023-24)

CANDIDATE'S DECLARATION

We hereby declare that the work presented in this project entitled "**News Application"** submitted towards completion of project in 8**th Semester** of B. Tech. (Information Technology) is an authentic record of our original work carried out under the guidance of "**Prof. Piyush Kashiyani".**

We have not submitted the matter embodied in this project for the award of any other degree.

Semester: 8th
Place: Atmiya University, Rajkot

Signature:
Nimbark Smit R. (190004026)

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CERTIFICATE

Date: 05/04/2023

This is to certify that the "**News Application**" has been carried out by **Nimbark Smit R.** under my guidance in fulfillment of the subject Major Project in Information Technology (8th Semester) of Atmiya University, Rajkot during the academic year 2023-24.

Prof. Piyush Kashiyani — **(Project Guide)**

Prof. Darshan Jani — **(Head of the Department)**

ACKNOWLEDGEMENT

We have taken many efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations. We would like to extend our sincere thanks to all of them.

We are highly indebted to **Prof. Piyush Kashiyani** for their guidance and constant supervision as well as for providing necessary information regarding the Major Project titled **"News Application".** We would like to express our gratitude towards staff members of Information Technology Department, Atmiya University for their kind co- operation and encouragement which helped us in completion of this project.

We even thank and appreciate to our colleague in developing the project and people who have willingly helped us out with their abilities.

Nimbark Smit R. (190004026)

ABSTRACT

Our technology is keep growing day by day and we all are using our wireless device for connecting with the world and know all information and what is going on in the world, and for that we are using our smart phones or laptops or computers to keep gaining knowledge, so this application provide you relative information that we can say news through android application.

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INTRODUCTION

1. Introduction of Project

- It is News application which use for knowing about news in daily life.
- User can have access of news read them without doing log in in application.
- It is very simple application where user know about different kind news.
- In this application we are using Retrofit API which help us connect application to servers, which holds data of all kind of news.

- # Technology and Tools

⇨ Java

- ✓ **Java** is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible. It is a general-purpose programming language intended to let programmers *write once, run anywhere* (WORA), meaning that compiled Java code can run on all platforms that support Java without the need to recompile. Java applications are typically compiled to bytecode that can run on any Java virtual machine (JVM) regardless of the underlying computer architecture. The syntax of Java is similar to C and C++, but has fewer low-level facilities than either of them. The Java runtime provides dynamic capabilities (such as reflection and runtime code modification) that are typically not available in traditional compiled languages. As of 2019, Java was one of the most popular programming languages in use according to GitHub, particularly for client–server web applications, with a reported 9 million developers.
- ✓

⇨ Android Studio

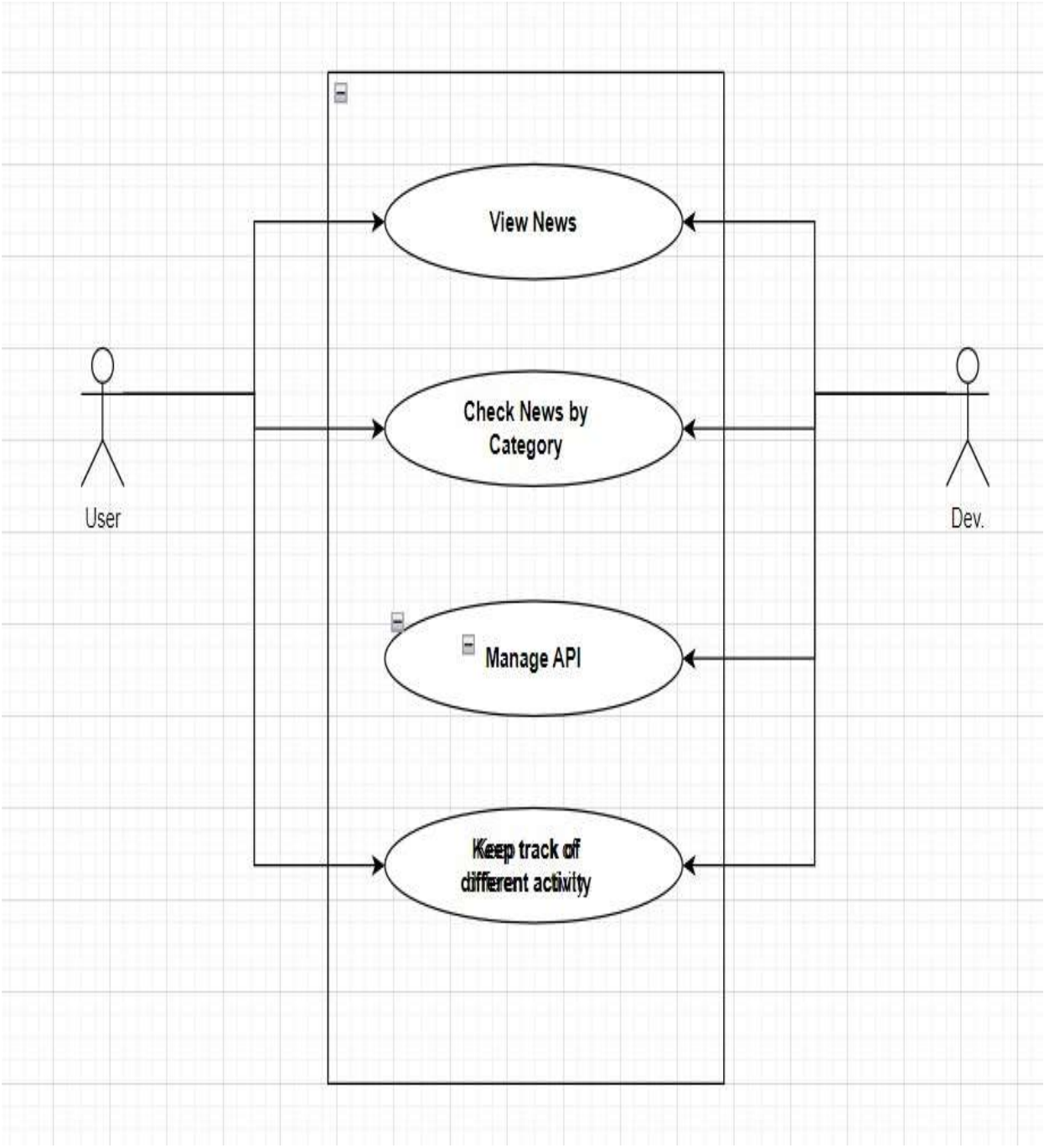
- ✓ **Android Studio** is the official integrated development environment (IDE) for Google's Android operating system, built on JetBrains' IntelliJ IDEA software and designed specifically for Android development. It is available for download on Windows, macOS and Linux based operating systems. It is a replacement for the Eclipse Android Development Tools (E-ADT) as the primary IDE for native Android application development.

⇨ XML

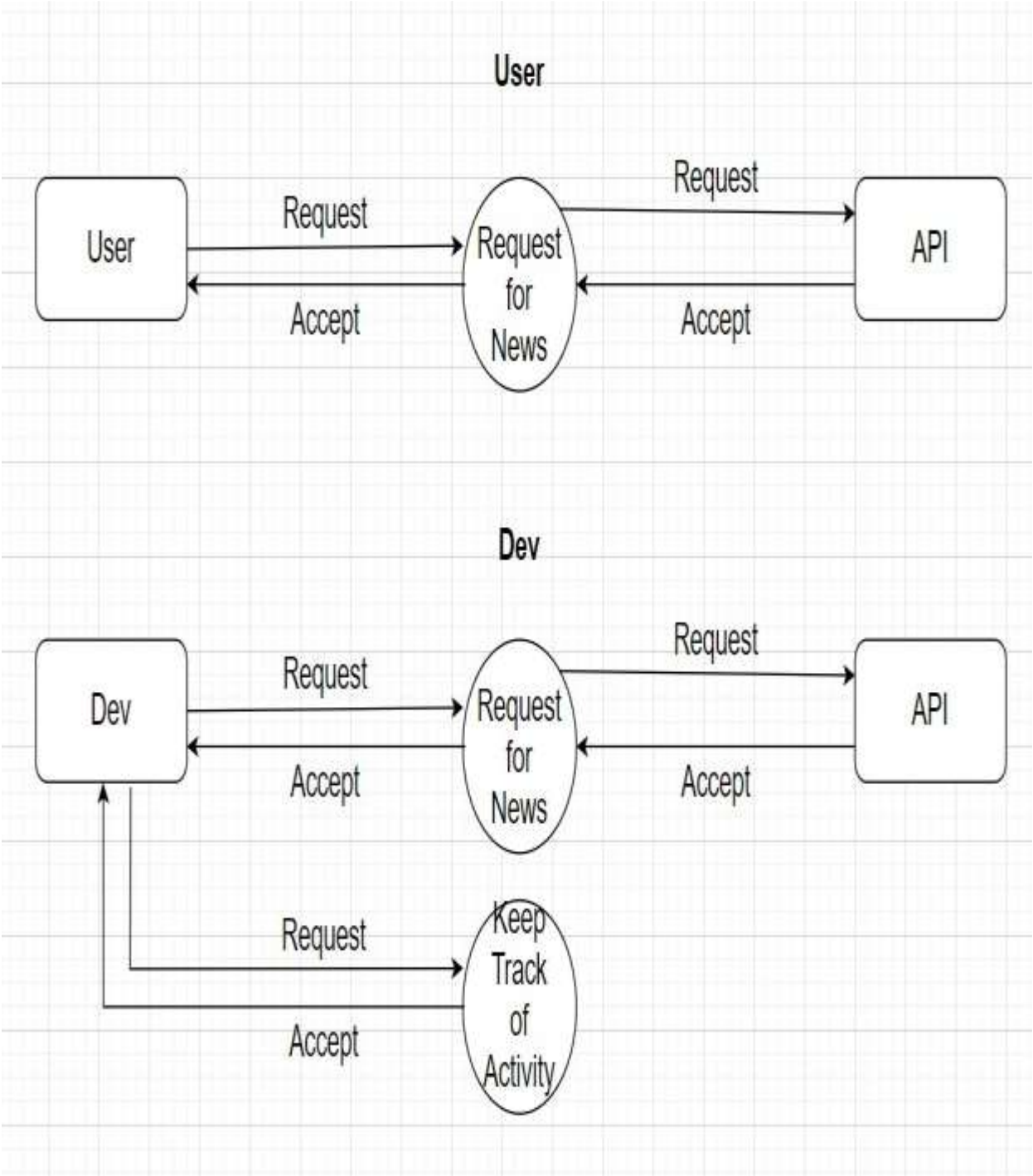
- ✓ **Extensible Markup Language** (**XML**) is a markup language and file format for storing, transmitting, and reconstructing arbitrary data. It defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. The World Wide Web Consortium's XML 1.0 Specification of 1998 and several other related specifications all of them free open standards define XML.

LIST OF FIGURES

1. Use case



2. DFD


User
User
Request
Request for News
Accept
Request
API
Accept
Dev
Dev
Request
Request for News
Accept
Request
API
Accept
Request
Keep Track of Activity
Accept

BACKGROUND

1. BACKGROUND
    - Ui design for Front End as .Xml format in Android platform
    - Android Application Development
    - Retrofit API for connecting Application and severs

2. STUDIES
    - Ui design
    - Retrofit API
    - Connecting different classes and methods
    - Moving from one page to other

3. Challenges
    - Working in Android Studio
    - Understanding Retrofit API
    - Understanding Retrofit API works
    - Friendly UI design

Software Requirements

1. Software configuration

This app is created in Android studio by help of Java as back end and .xml file for front end.

2. Hard configuration

Minimum requirement

Android version: 5 or above

Ram: 1 GB

Rom: 1 GB

Output

7:53 PM | 3.1KB/s
News App
News App
Business
Entertainment
Health
#YesWeCanEndTB
Engage, Equip and Empower all health workers to End TB - PLOS
Frontline healthcare workers, community health workers and private providers play important and distinct roles and need to be at the heart of End TB efforts.

7:53 PM | 0.2KB/s
News App
News App
Sports
General
Chennai Super Kings vs Lucknow Super Giants, IPL 2023 Live Updates: Ruturaj
CSK vs LSG, IPL Live Score: MS Dhoni-led Chennai Super Kings take on KL Rahul-led Lucknow Super Giants in IPL 2023.
QATAR
AIRWAYS

7:52 PM | 1.4KB/s
News App
News App
All
Technology
Science
Top 4 trendy Gionee smartwatches: Buyer's guide - Hindustan Times
Gionee smartwatches are popular, for they come packed with nice features. Read on to see our top selections.

7:52 PM | 1.3KB/s
News App
News App
All
Technology
Science
Two planets will be visible from the night sky next week – how to see them... - The US
STARGAZERS will be able to spot Mercury and Venus in the night skies next week, as the pair make their closest pass by Earth. So, get your binoculars at the ready.
b
Untrained AI
Training on data
Data loss
Training on data and physics
Data-driven model
c

Conclusion

1. Conclusion

   This application will help people who want to know about ongoing different events and many more things in present day.

2. Future scope of development

   This application will have feature in which user can search a news which they want.

Reference

- https://www.geeksforgeeks.org