

# SOFTWARE REQUIREMENT SPECIFICATIONS

Project Topic: [Stop Watch]

## **1. Introduction**

### **a. Purpose:**

Every individual face problem in the field of games where there is no watch to look the time and there is chances that they may blame on time while playing if they lose. So to overcome the situation I thought of making stop watch application in personal phone and to respect time.

### **b. Scope:**

The scope of my project is limited to staff and student of GCIT.

## **2. Requirements**

### **a. Functional Requirements**

User

Start: To make time run whenever the user want.

Pause: To make the time stop.

Reset: To make time to start from beginning.

Date and Time: To remind of dd/mm/yy.

View time history: To view the previous time running.

### **b. Non-functional requirements**

1. Reusability: It is not only for the user of gcit both staff and student present right now but it can be used in near future by the fresher student and staff in any field they want.
2. Portability: It can be used in any places they are.
3. Maintainability: Use clean codes practice and update the system and features to maintain it.
4. Reliability: This app will be more reliable if there is no online connection.

**Hardware Requirement:****For developers**

1. Laptop with 8GB RAMS Intel Core i5.
2. Android phone for testing purpose.
3. Internet connection.

**For Users**

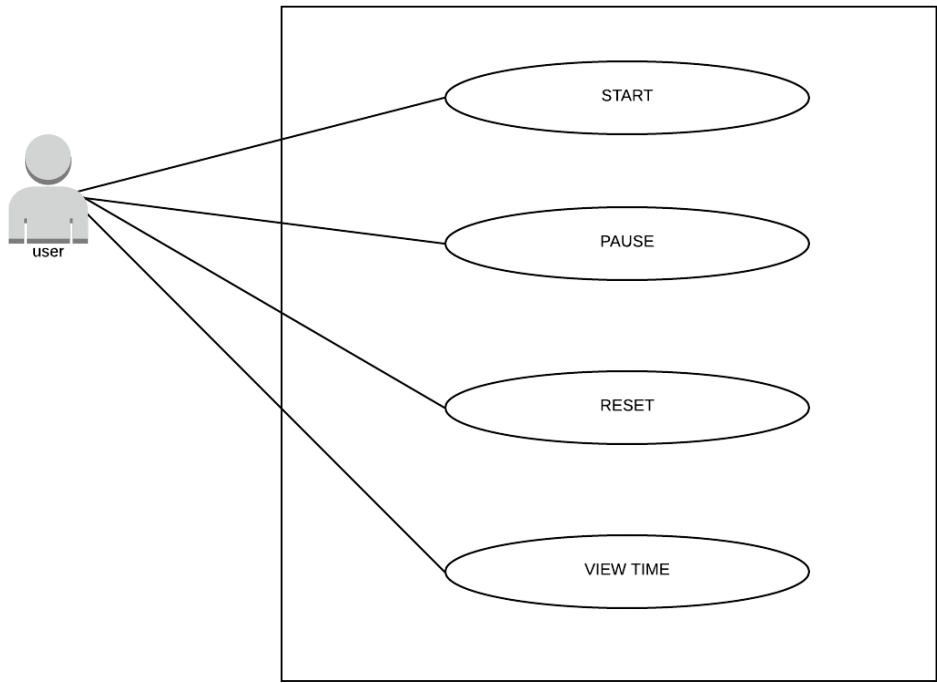
1. Android phone

**c. Software Requirements**

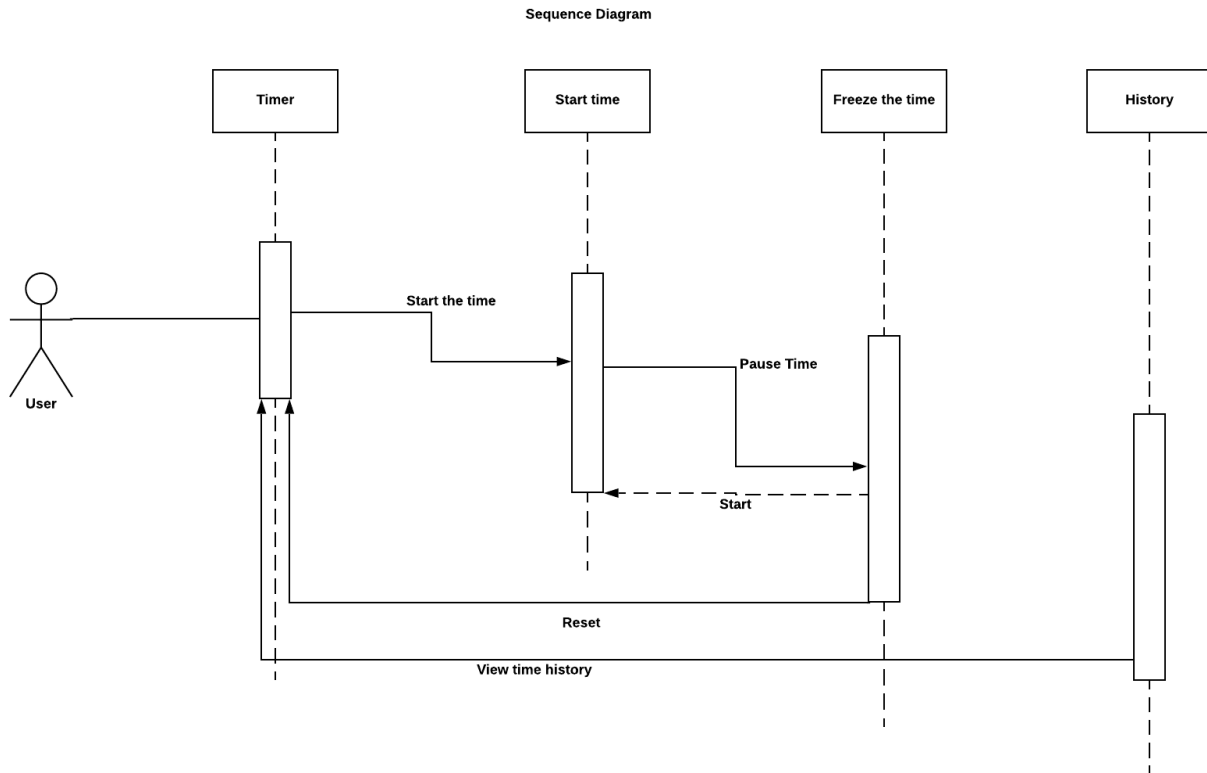
- Android Studio version 4.1.2
- Window or Linux
- Libre office or Microsoft office.
- Firebase

# Use Case Diagram

USE CASE

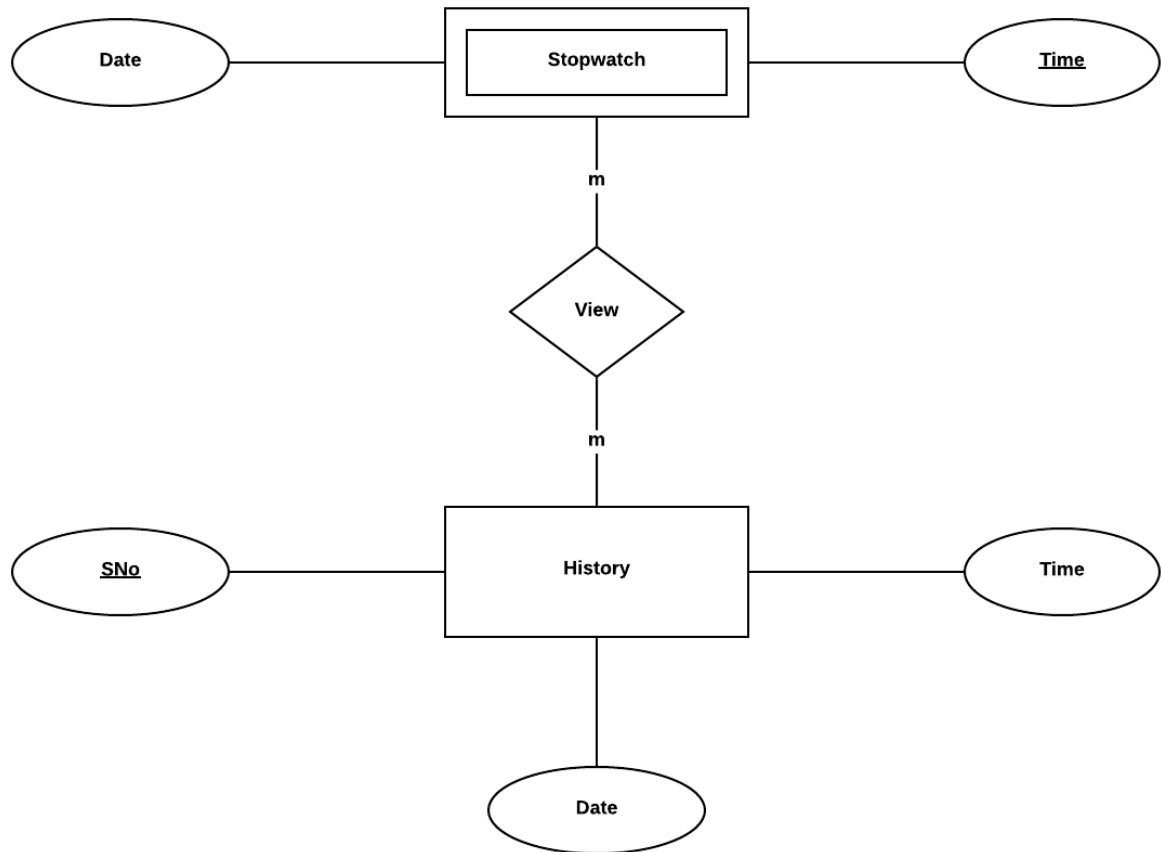


# Sequence Diagram



# ERD Diagram

ERD Diagram



## Relational Schema

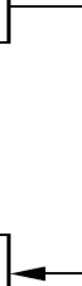
### Relational Schema

#### Stopwatch

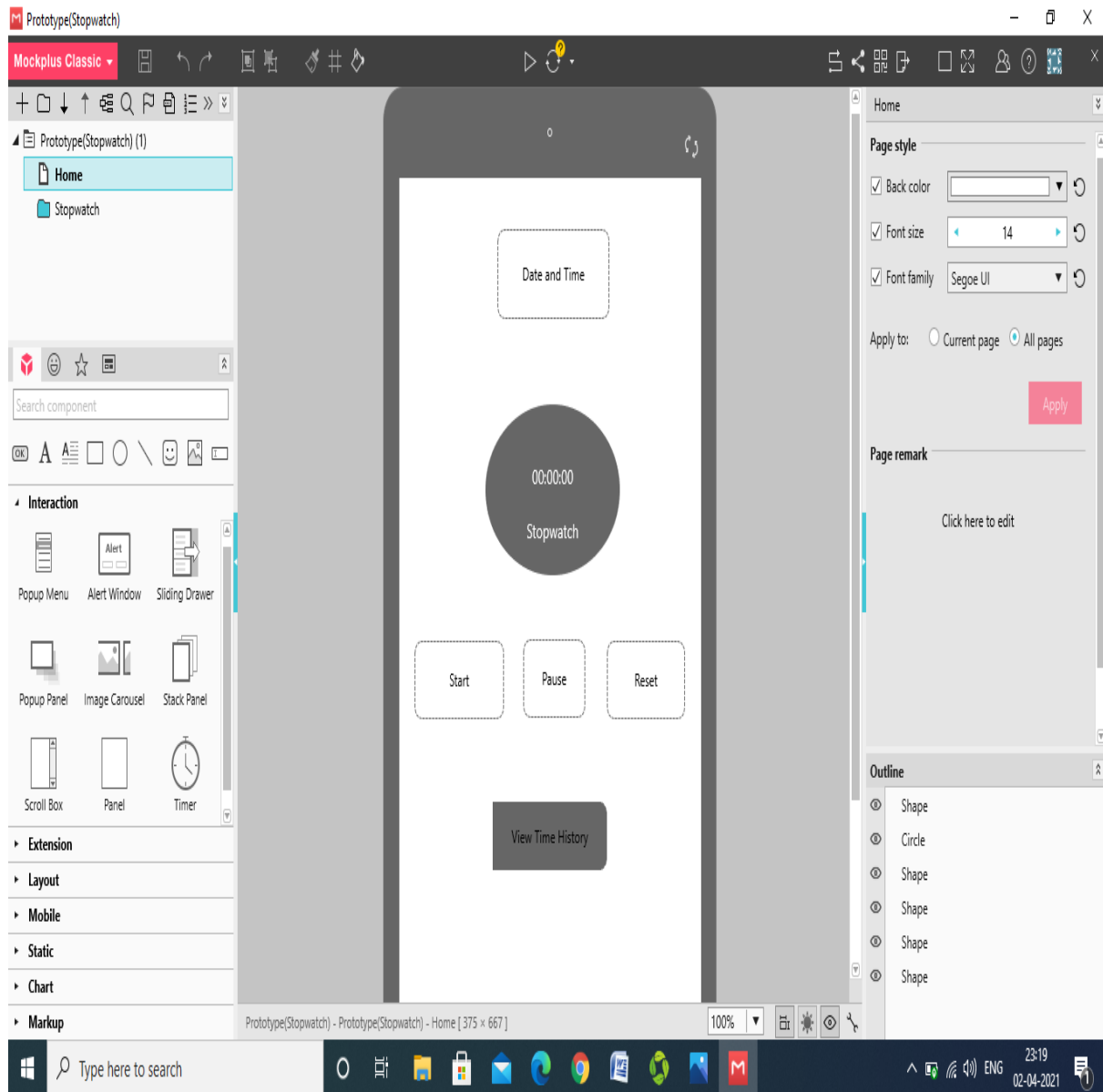
Date	<u>Time</u>
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#### History

<u>SNo</u>	Date	Time
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## Prototype Model Design



## Conclusion

Developing stopwatch application.



