

Smart Alarm

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Outline

- Background
- System Design
- Modules of the App
- Summary and Demo
- Future Work

Background



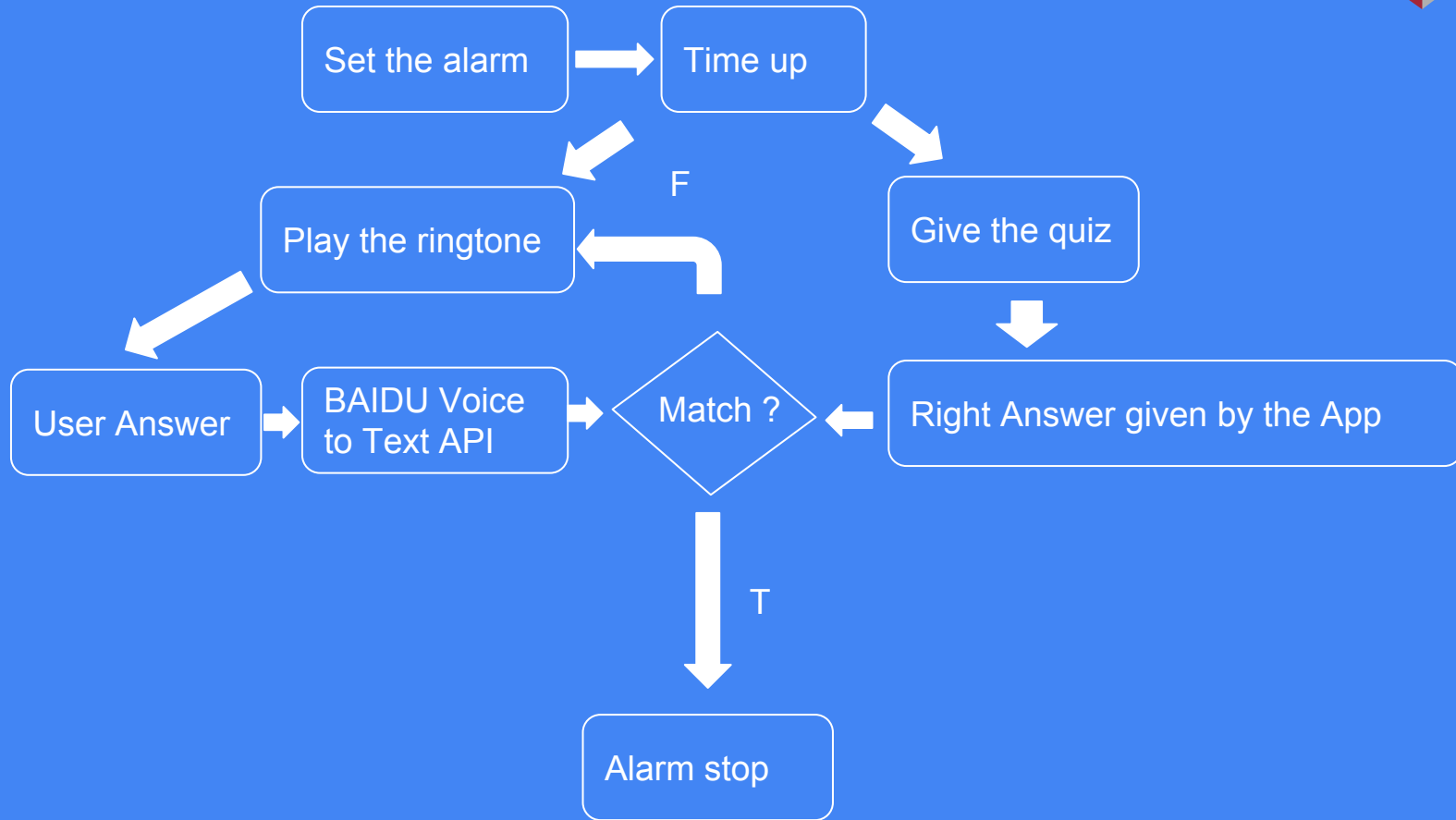
Background

- Less sensitive to traditional alarm
- Need a new type alarm clock
- Voice to text API ?
- Quiz ?



System Design

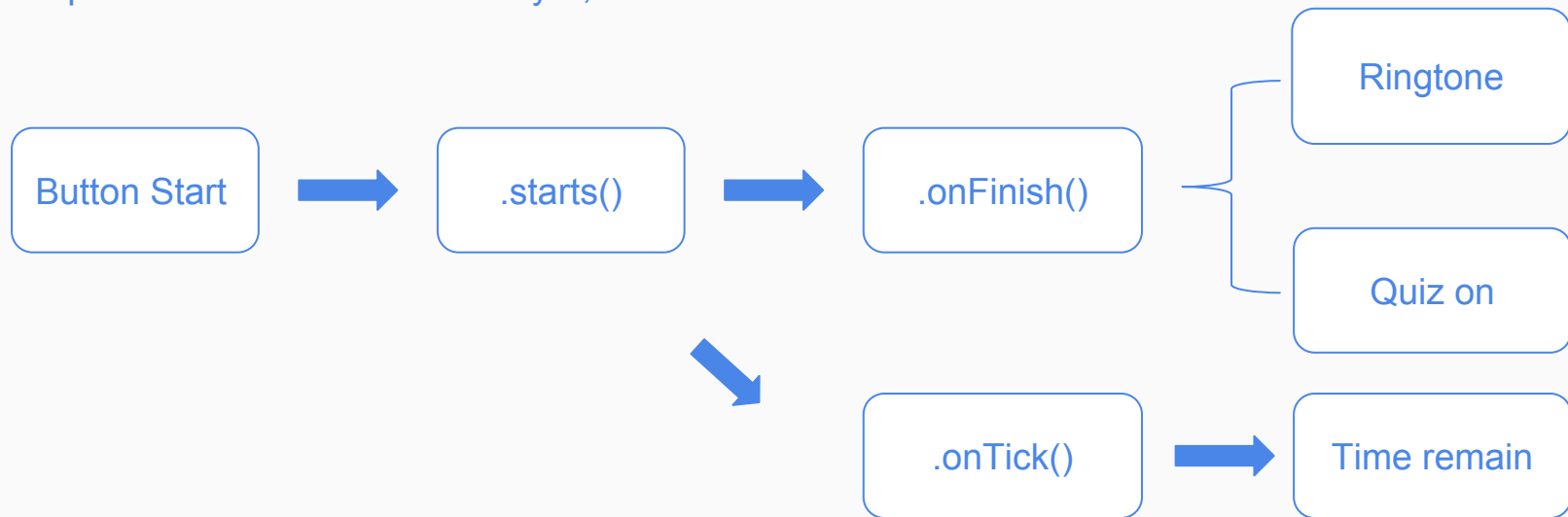




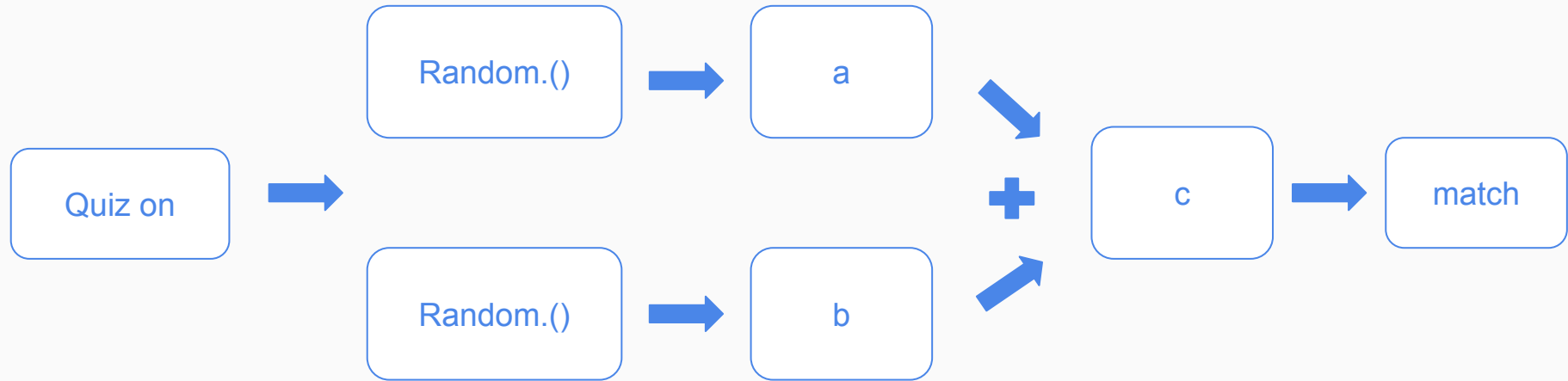
Modules of the App

Module 1 --- Timer

```
import android.os.CountDownTimer;  
import android.media.MediaPlayer;
```



Module 2 --- Quiz

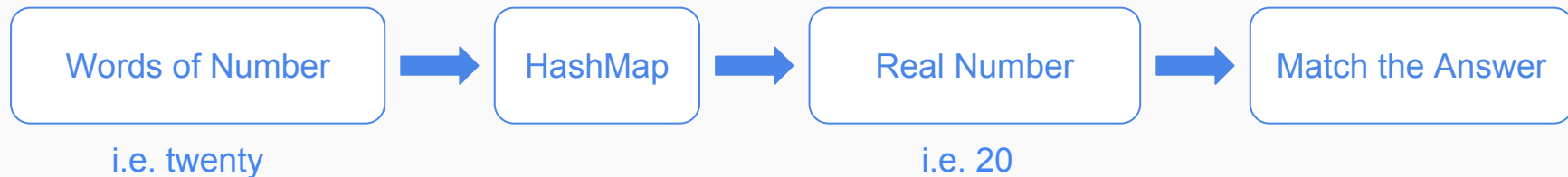


Module 3 --- Voice to Text API

Use Baidu Speech API



Module 4 --- Number Convert



Summary & Demo

Summary

- Build an alarm clock in Android System
- Design a Quiz Module
- Use API to translate the voice to text
- Match the input answer to the right answer
- UI design

Demo



Future Work

Future Work

- Make the countdown timer a real clock
- Solve the logic problems of relationship between text to voice and voice to text
- Make the UI more beautiful

Contribution

Juncheng Li: System Design; Code of Timer; Debug

Zhicheng Yan: Baidu API Implement; Debug

Siang Shen: UI Design; Code of Number Convert

Jingyu Du: Development Environment Setup; Code of Quiz

Questions ?