Introduction to Application

Agenda

In this session, we will cover:

- What is Application?
- What does it take to build an application?
- Types of Application
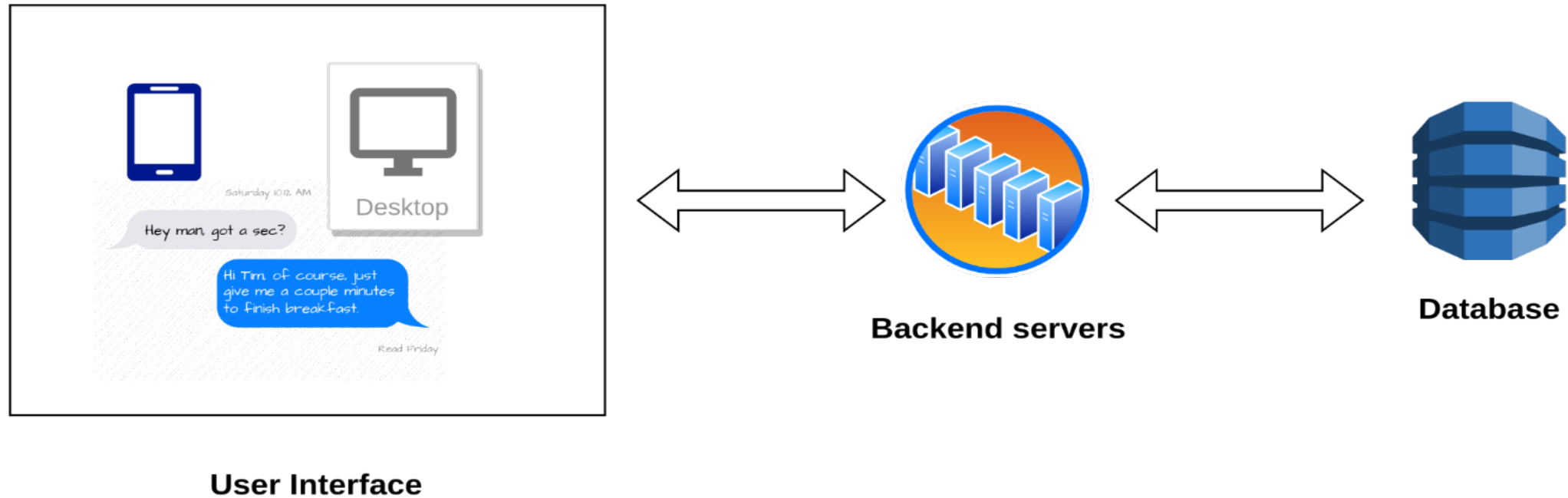- Web Application and its components

What is Application?

- **Application** is defined as the computer program which carries out a defined activity other than any computer task like operating system, memory management, etc. We also call **Application** as a **Software**.
- It is designed to solve a **Business** problem.
- Some of the applications that we use daily are **Instagram**, **Zomato**, **Uber**, **Gmail**, **Youtube,** etc.

Building an Application

- Any application will have 3 components:
    - **UI/Frontend**
    - **The brain of application/Backend**
    - **Data storage/Database**

- We use a set of tools and/or languages to create individual components.
- These components are integrated to deliver a final application.

Application Components

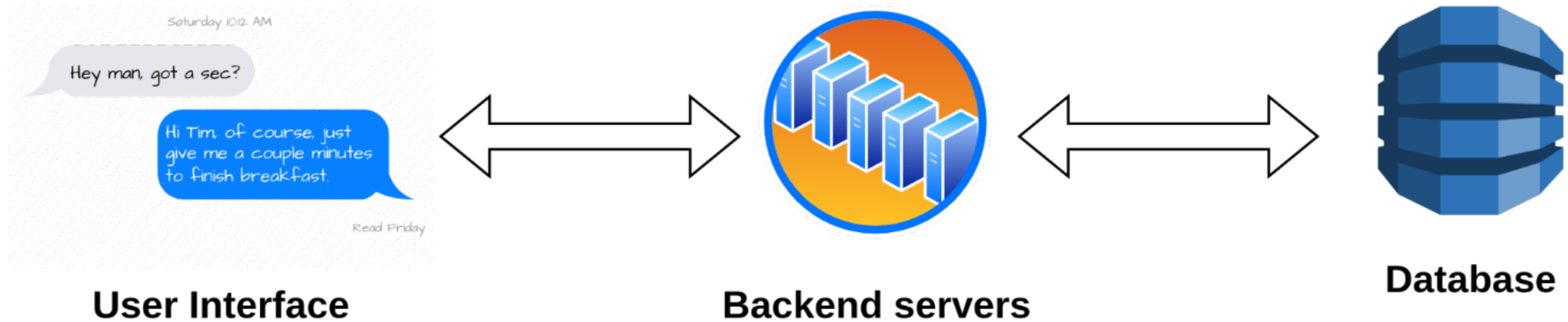User Interface — Backend servers — Database

Types of Applications

- Web Application

- Desktop application

- Mobile Application

What is a Web Application?

We can define a web application as an application where the application logic resides on the server and we use a web browser(Chrome, Firefox, etc.) to access the application.

Components of Web Application

User Interface ⟷ **Backend servers** ⟷ **Database**

Components of Web Application

- **User Interface**: It is used for accessing the web application. We use web browsers such as Chrome, Firefox, internet explorer, etc. for accessing the UI.
- **Backend**: Backend means what runs/gets processed behind the scene. When we perform some activity on User Interface, then the call gets transferred to the backend server for further processing.
- **Database**: This is where the user data is stored and used further for various operations such as searching, editing the data, analytics on this data, etc.

Summary

A brief recap:

● An Application is a software designed to solve a business problem.

● An Application has usually 3 components- Frontend, backend, and a database.

● An Application can be a web application or a desktop application.