DEPLOY A WEB APPLICATION TO AZURE

Group 12

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I.

INTRODUCTION

1.1. OVERVIEW

1. Microsoft Azure

- A cloud computing service for building, testing, deploying, and managing applications and services.
- Supports many different programming languages, tools, and frameworks.

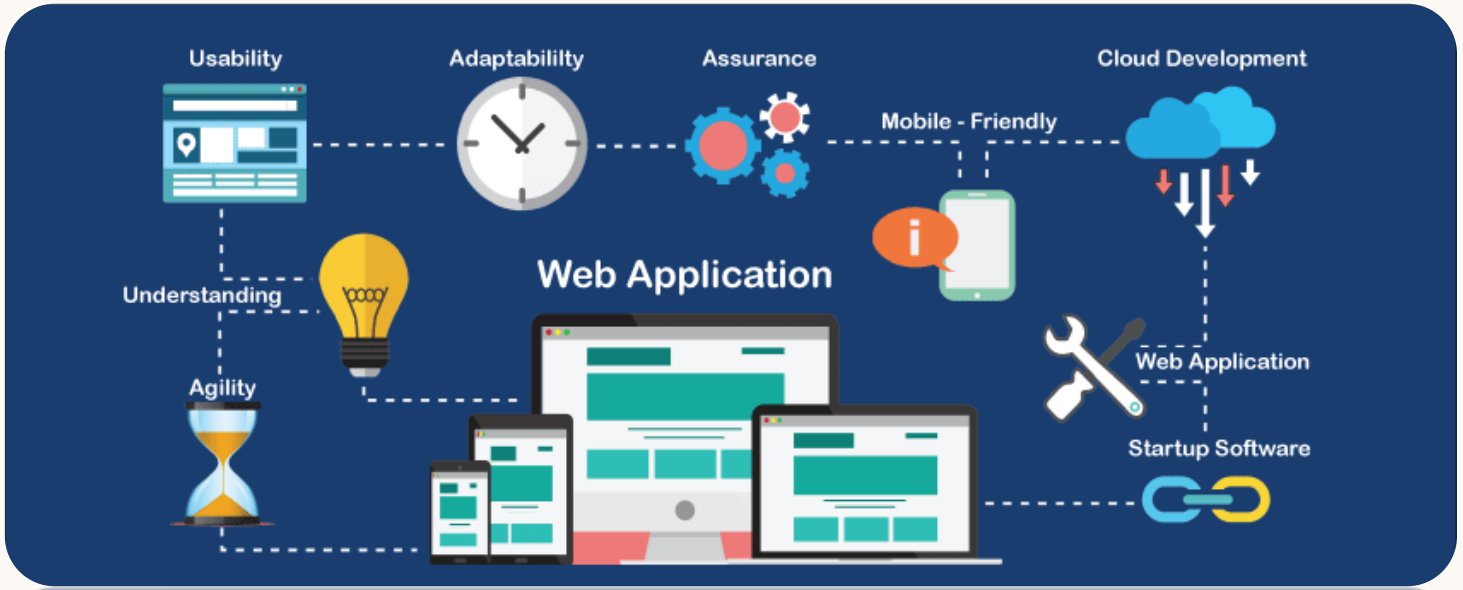
1.1. OVERVIEW

2. Web Application

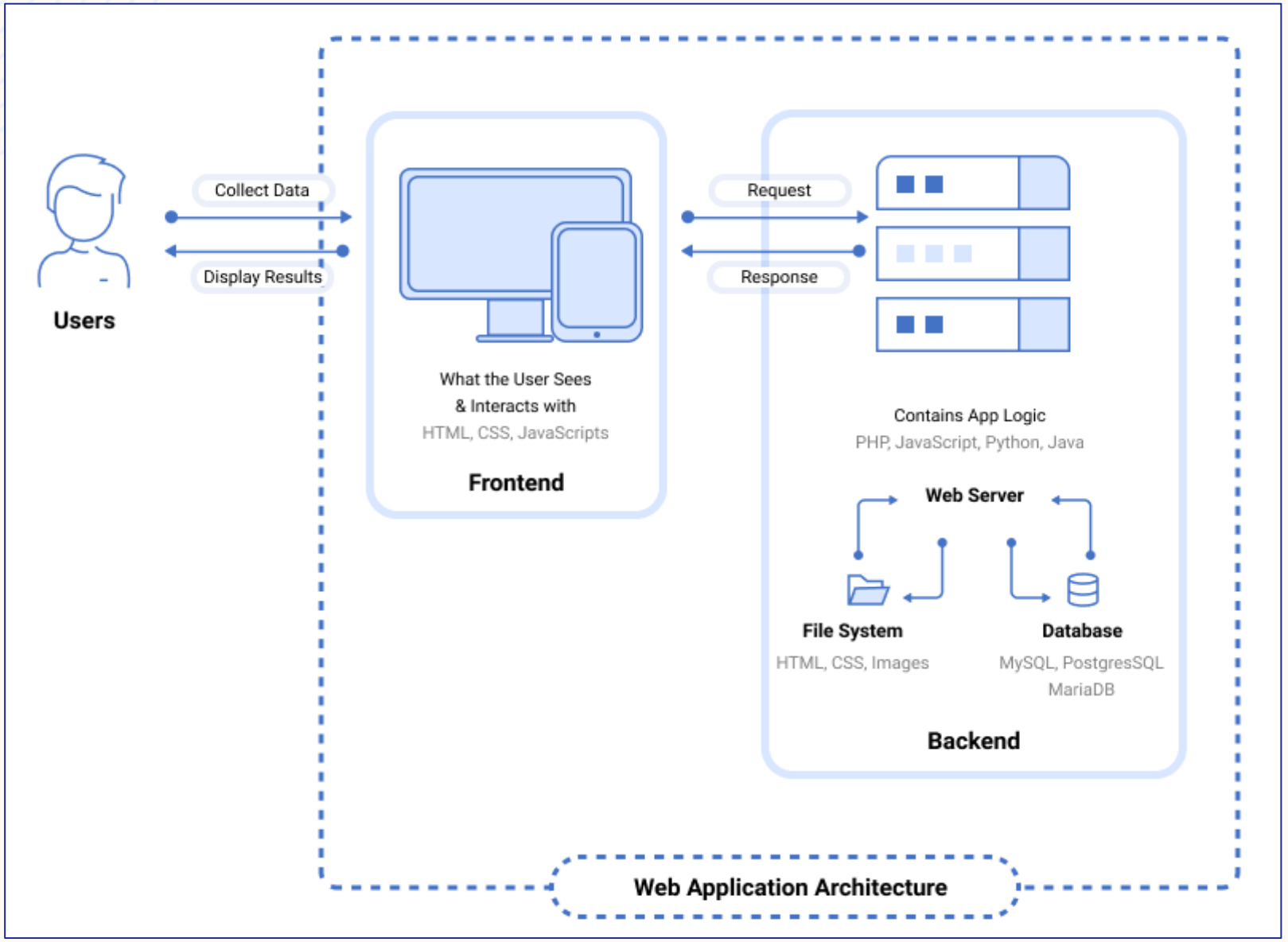
The salient features of a web application:

An application program stored on a remote server and delivered over the Internet through a browser interface.

- Be interactive, adaptive and constant
- Be able to solve specific problems, even if just looking for information
- Has a content management system

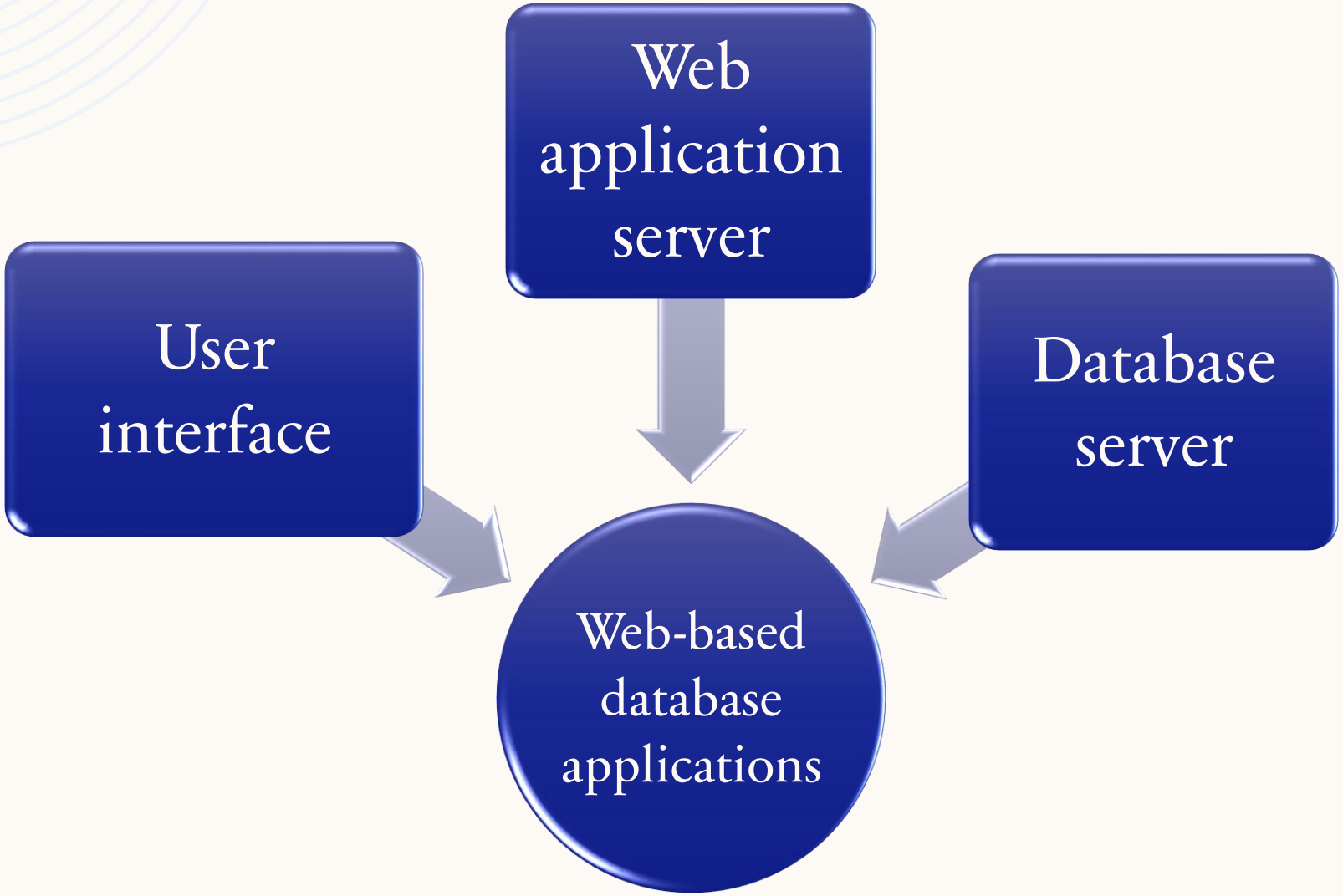


1. Primary components



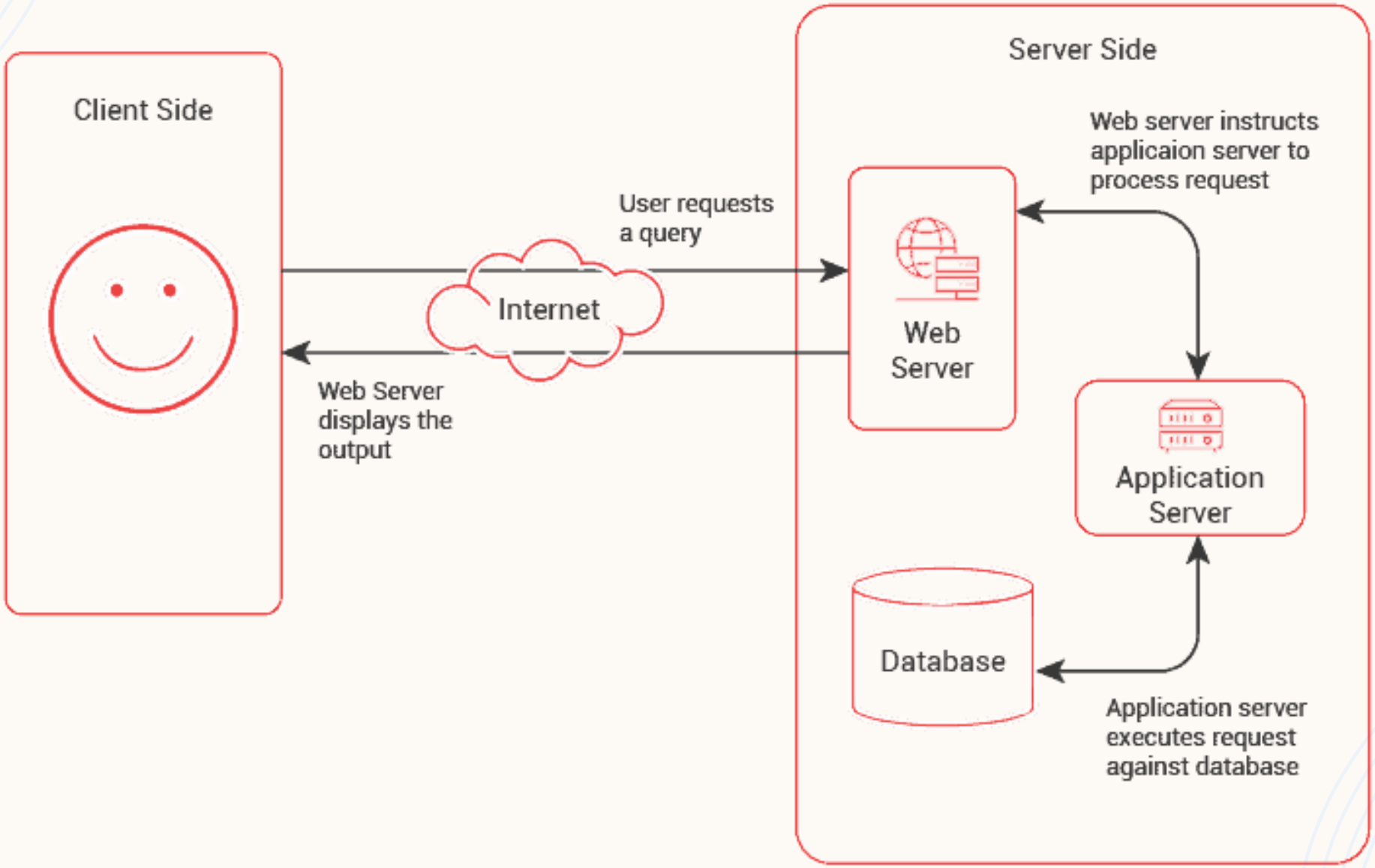
1.2. COMPONENT

1. Primary components

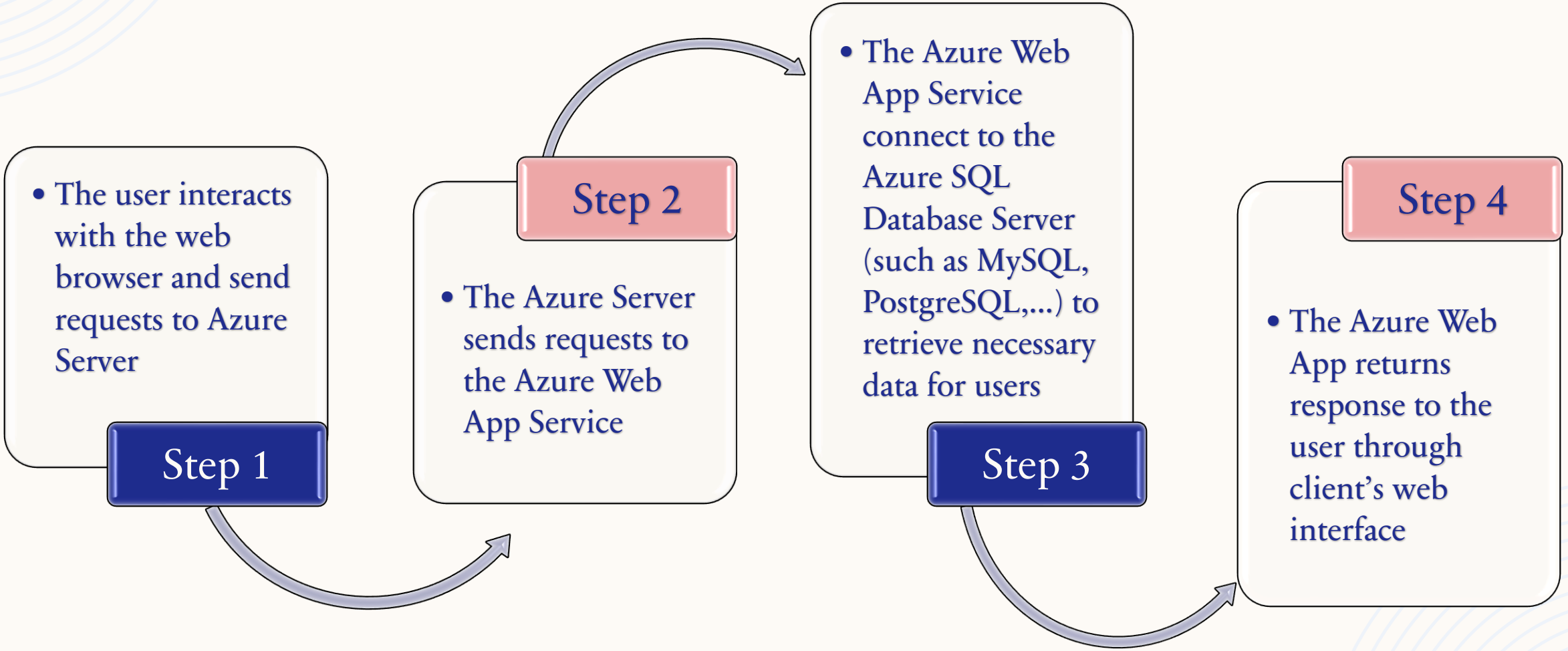


1.3. OPERATION

1. Operation of Web Application



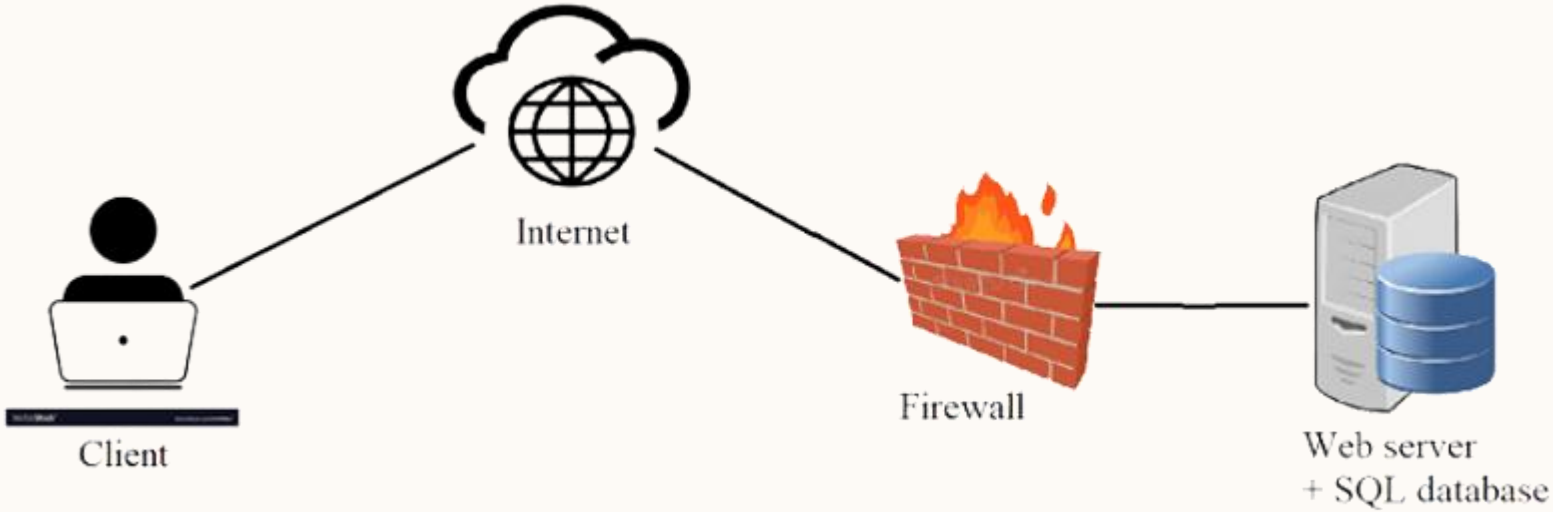
2. Operation of Web Application on Azure



II.

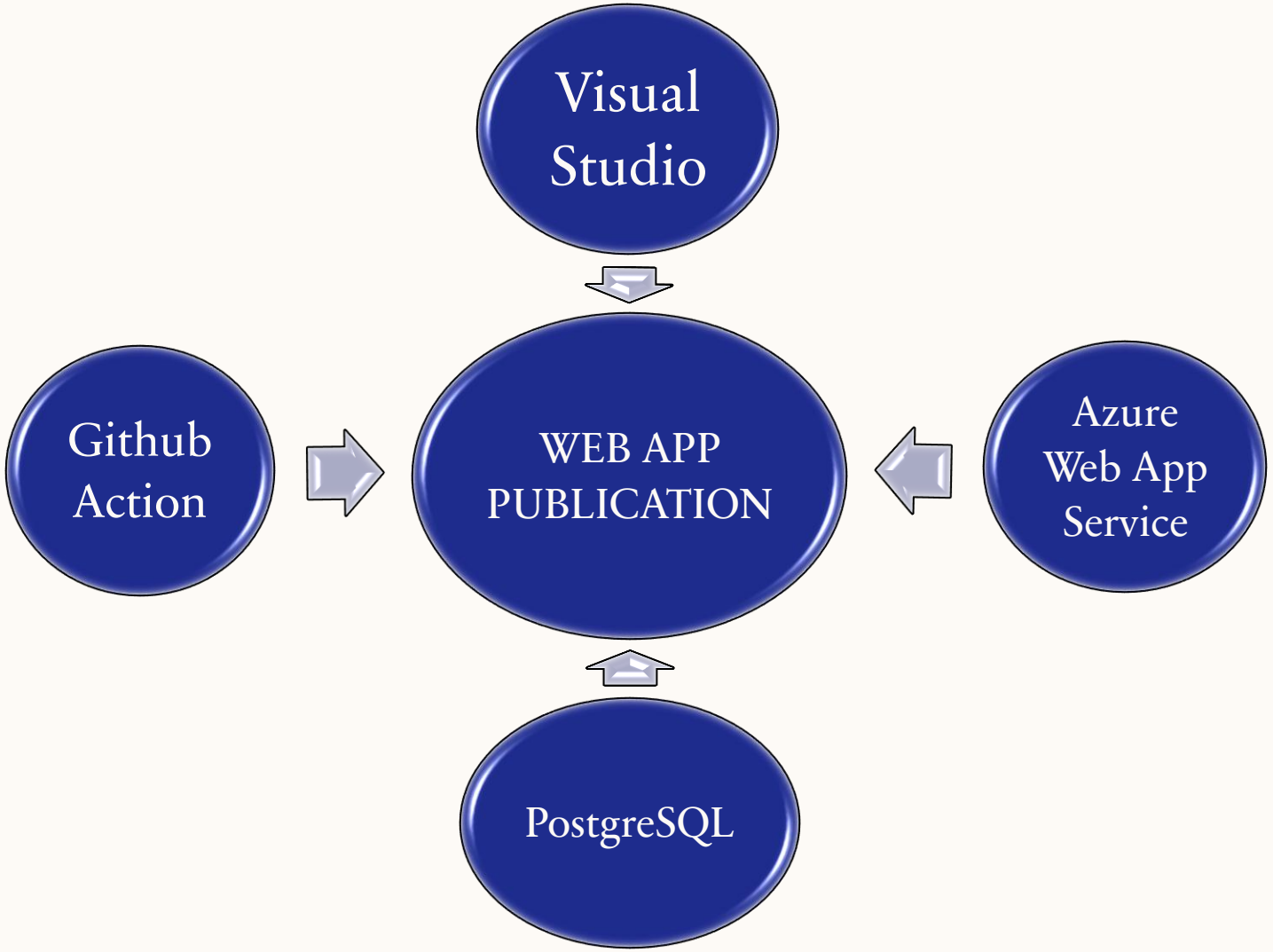
IMPLEMENTATION

2.1. TOPOLOGY



Server	IP Address	Service / Application
Web Server	Virtual IP Address (Azure provides itself when creating a Web App)	Web App Service on Azure
Client Server (User)	IP address of user's PC	Internet

2.2. INSTALLATION



- ✓ Code on Visual Studio
- ✓ CI/CD via Github
- ✓ Integrate PostgreSQL
- ✓ Upload and deploy on Web App Service

1. Code on Visual Studio

Web is for

- View restaurant reviews and detailed feedback from customers.
- Add personal feedback about the visited restaurant.

Programming language

- Django Framework 4.1.3
- Python 3.10.8

Web Functions

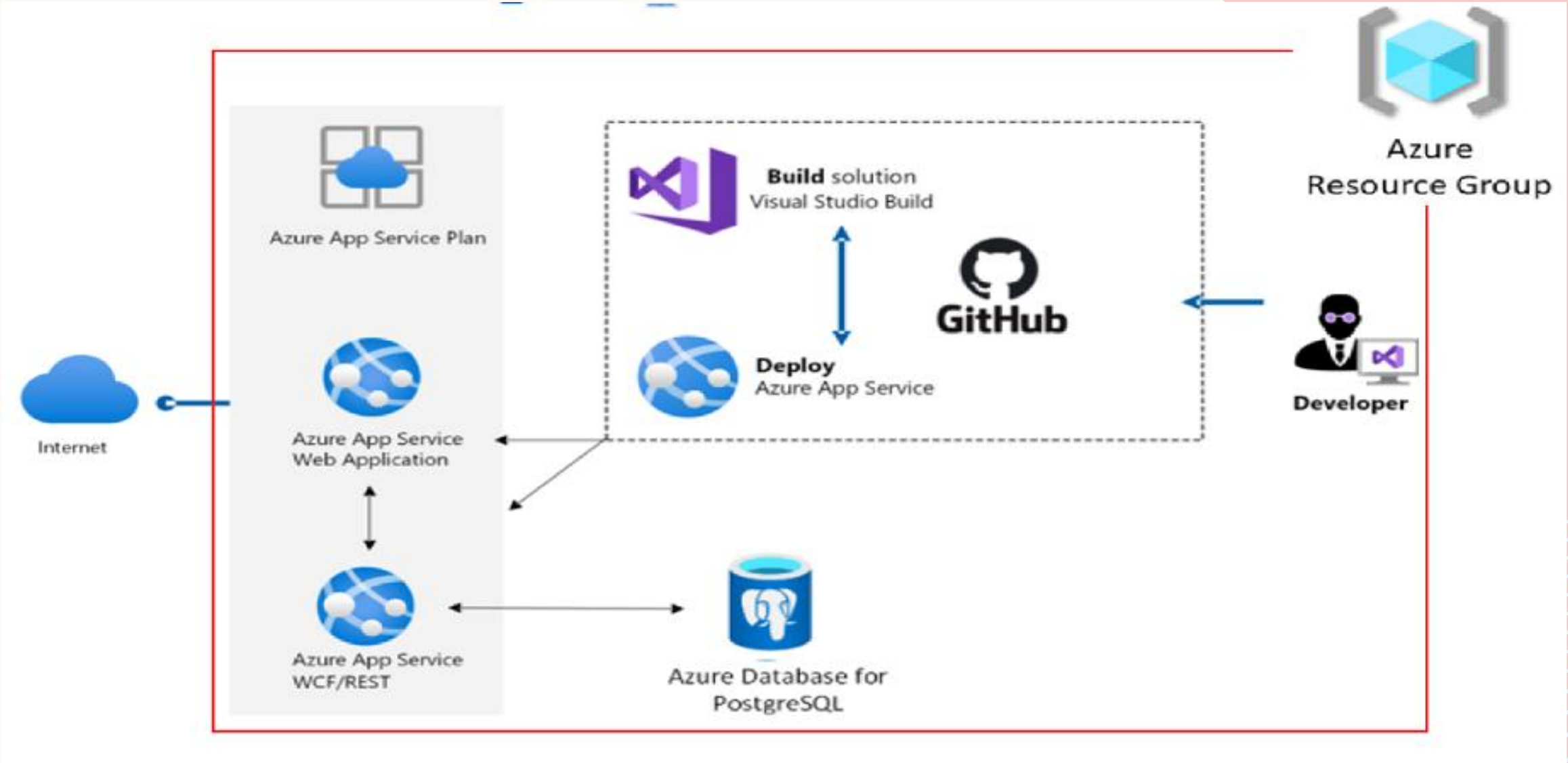
Add

- Add new restaurant
- Add new review

View

- Details of different restaurants
- Customers' feedback

2.3. CONFIGURE



III. DEMO & RESULT

pgAdmin
File
Object
Tools
Help
Browser
Dashboard
Properties
SQL
Statistics
Dependencies
Servers
postgreSQL01
Welcome
pgAdmin
Management Tools for PostgreSQL
Feature rich | Maximises PostgreSQL | Oper
pgAdmin is an Open Source administration and management too
interface, an SQL query tool, a procedural code debugger and mu
and system administrators alike.
Quick Links
Add New Server

Conclusion

- Azure Web App Service allows developers to conveniently deploy and publish web applications written by many coding languages on the Internet.

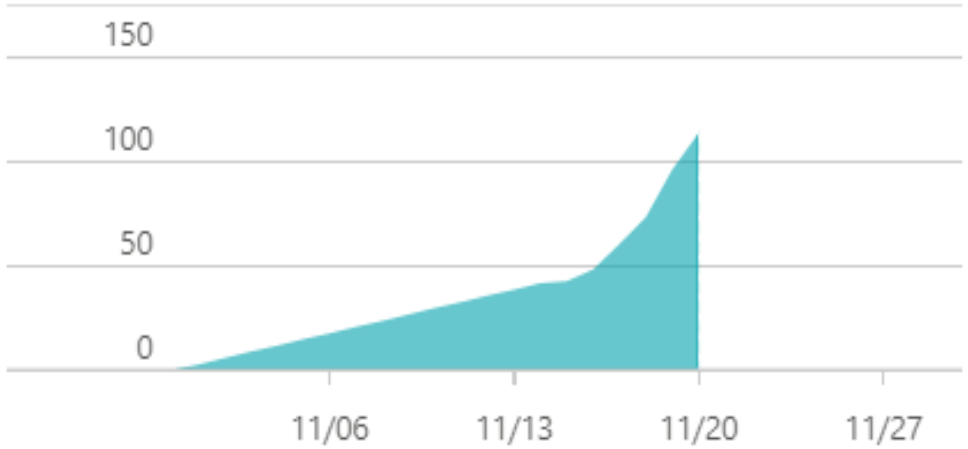
- Though it has some disadvantages in terms of cost and limited using time, especially when the developer is a student.

THANK YOU FOR WATCHING

ANY QUESTIONS?

PHÍ TỔN THẤT TINH THẦN

Spending rate and forecast



Current charges ⓘ
$113.37

Forecast ⓘ
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View details

This month's top products by charges

Azure Database for Postgr...
$52.20

Azure App Service Premiu...
$42.10

Azure App Service Premiu...
$10.76

Other purchases
$8.31

View details