



HCMUT SMART PRINTING SERVICE

L02

INTRODUCTION

Student Smart Printing Service (HCMUT_SSPTS), serving students in HCMUT's campuses to print their documents.

Smart Printing Service

Dịch vụ in ấn tuyệt vời, nhanh chóng, tiện dụng tại Trường Đại học Bách Khoa TP HCM.

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TÀI LIỆU



ĐÓNG GÓP Ý KIẾN



MUA GIẤY



LỊCH SỬ IN

OBJECTIVES



CUSTOMER SERVICE

SAVE TIME

ANALYTICS AND INSIGHTS

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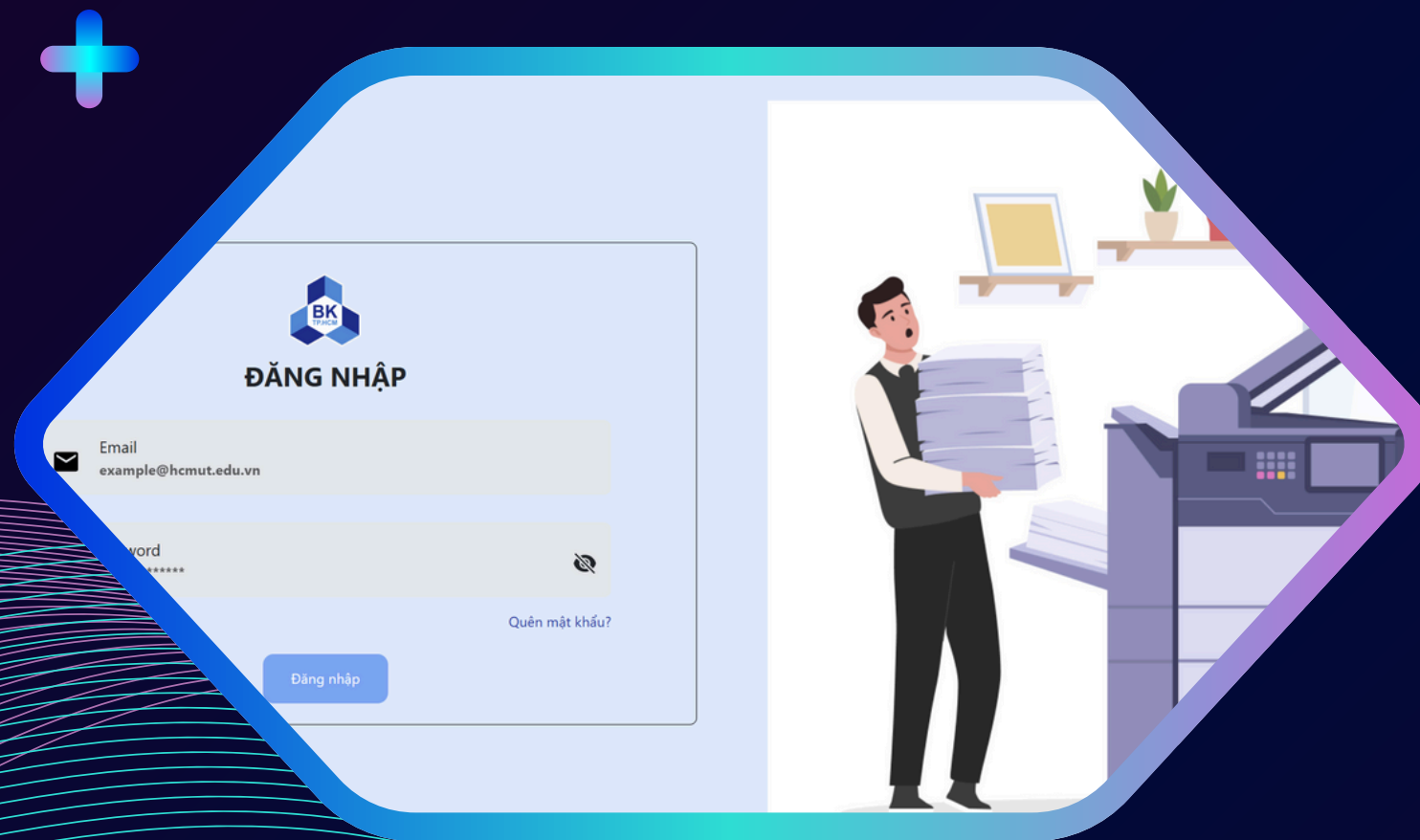
05 LESSONS LEARNED

06 OUR TEAM

STAKEHOLDER AND REQUIREMENTS

STUDENT, LECTURERS

- Login, register, get forgotten password
- Place a printing order: upload document, choose a printer, specify printing properties.
- Buy additional printing pages.
- Monitor printing status
- View Printing and Purchasing history
- Manage an personal information



STAKEHOLDER AND REQUIREMENTS

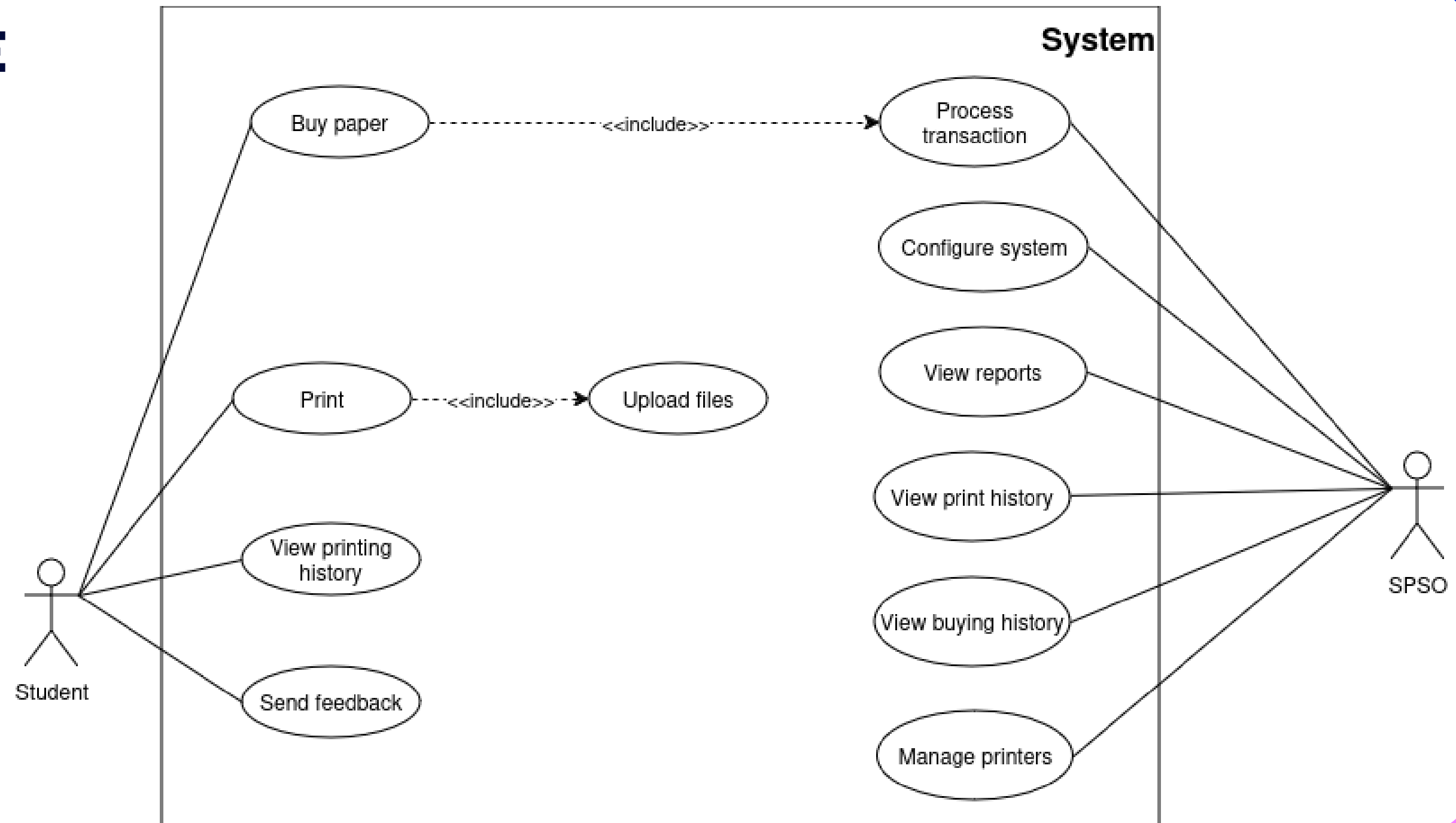
SPSO

- Authenticate
- Monitor users' usage
- Manage printing service system, configure printer
- Viewing monthly and annual reports



PROJECT OUTCOME

USECASE



PROJECT OUTCOME

SEQUENCE DIAGRAM FOR PRINTING



PROJECT OUTCOME

CLASS DIAGRAM FOR PRINTING

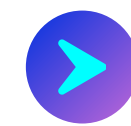


TECHNICAL DECISIONS



- **UI DESIGN**
- **FRONTEND**
- **BACKEND**
- **DATABASE**
- **VERSION CONTROL**

TECHNICAL DECISIONS



UI DESIGN



Figma

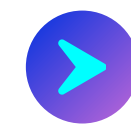
TECHNICAL DECISIONS



▶ **FRONTEND**

TECHNICAL DECISIONS

+



BACKEND

django

TECHNICAL DECISIONS



 **DATABASE**



TECHNICAL DECISIONS

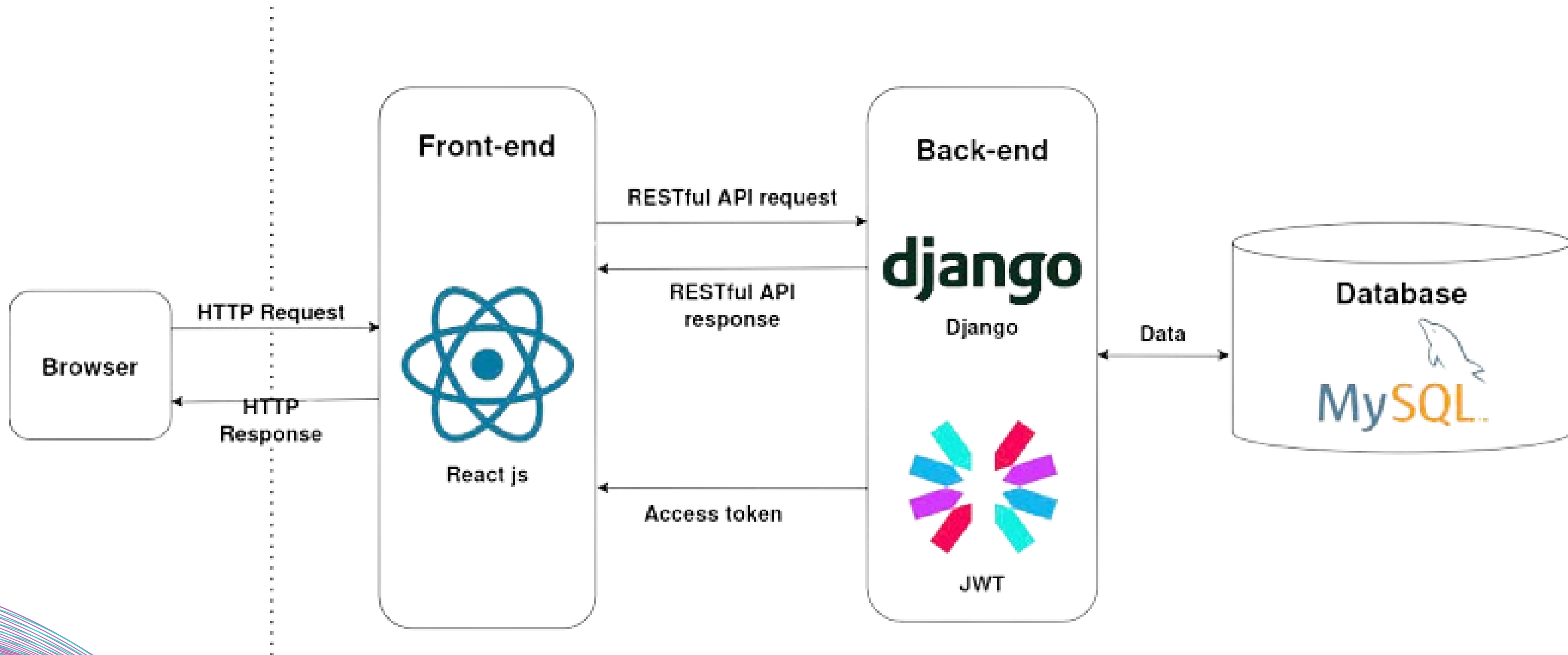


VERSION CONTROL



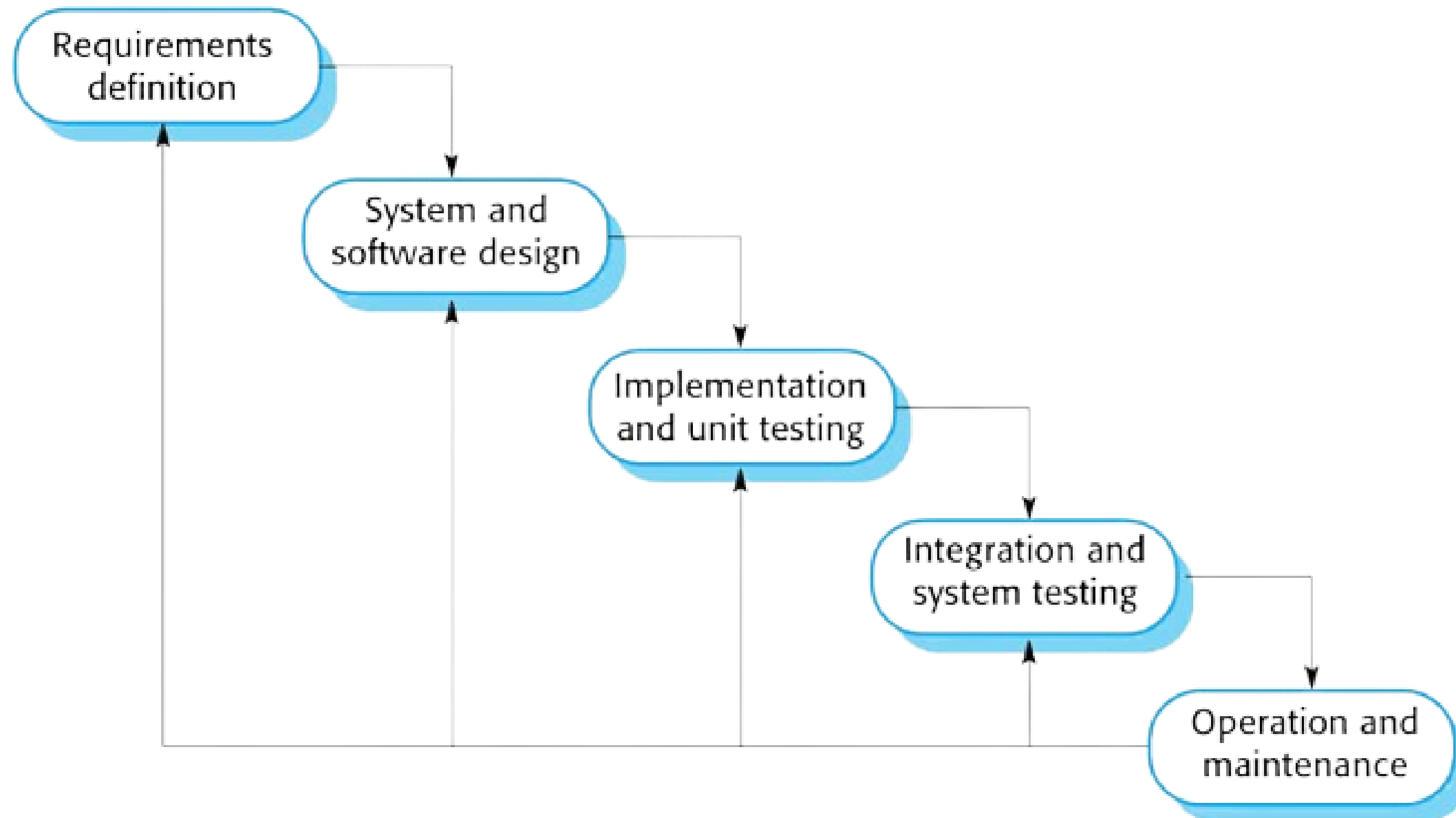
PROJECT OUTCOME

ARCHITECTURE DESIGN



PROJECT OUTCOME ●

SOFTWARE PROCESS



RISKS AND CHALLENGES





TEAM WORK

Ineffective communication,
lack of consensus among
team members.

CHALLENGE IN TECHNOLOGY

Having no experience in
using new programming
language or framework

LESSONS LEARNED

- 
- 
- Managed to create a functioning software project
 - Learned new technologies
 - Learned to manage time and people
 - Worked well in a team as a whole

MEMBERS

2212243 - Trương Quang Nghĩa

2213012 - Huỳnh Thanh Tâm

2213772 - Lê Đức Anh Tuấn

2212059 - Nguyễn Hồng Minh

2212432 - Lê Nguyễn Yến Nhi

2211368 - Nguyễn Phúc Hưng

2211363 - Lê Nguyễn Gia Hưng

2211806 - Dương Gia Lâm

The background is a dark navy blue. It features several decorative elements: two large circles with a blue-to-purple gradient, one in the top right and one in the bottom left; and two sets of wavy, concentric lines in a light blue/cyan color, one on the left and one on the right. In the center is a white rounded rectangle with a thick blue border on top and a thick cyan border on the bottom. Two small, glowing plus signs with a blue-to-purple gradient are positioned in the top left and bottom right corners.

THANK YOU