



MENU

ANALYSIS

CONTACT

PROJECT 2 - TIS

LOW FIDELITY

PROTOTYPE

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LECTURER : DR. HAIRUDIN BIN ABDUL MAJID

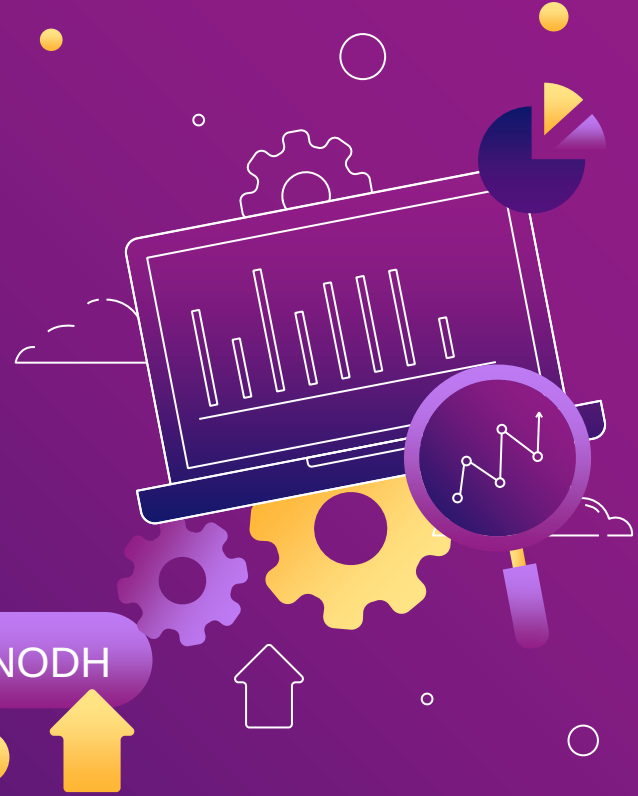




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INTRODUCTION

4th IR | Internet of Things |
Low Fidelity Prototype |
Smart IOT Plug



03

DESCRIPTION OF LOW FIDELITY PROTOTYPE

With Diagrams

02

DETAILED DESCRIPTION

Problem | Solution | Team
working



04

AWS ARCHITECTURE DESIGN

With Diagram &
Explanation





INTRODUCTION



LOW FIDELITY PROTOTYPE

- Illustration usually be drawn by hand or digitally
- Digitally using the software called Proto.io
- Convenient and easy to be modified



CLOUD COMPUTING

- AWS Architecture Design (Ecosystem)
- Illustrate how the system works
- SaaS, DaaS, PaaS



4TH IR

- Rapid growth
- Internet of Things
- Smart IOT Plug





DETAILED DESCRIPTION

PROBLEM

CLIENT

- CEO of a hospital
- Lack of manpower
- Ease workload
- Controlling electronic devices

SOLUTION

SMART IOT PLUG

- ✓ Internet of Things
- ✓ Everything is connected
- ✓ Everything is accessible in a touch
- ✓ Control home appliances using smartphone

PROBLEM WITH SMART IOT PLUG

- ✓ Difficulty in connecting to appliances due to varies compatibility

SOLUTION

- ✓ Create a unified controller
- ✓ ALYT hub
- ✓ Collaborate with other company

TEAMWORKING

Every board members carried out specific tasks, like designing AWS architecture, planning and executing, cost-analysis



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LOW FIDELITY PROTOTYPE

Smart Plug Application

Smart IOT Plug





LOW FIDELITY MOCKUP – SMART IOT APPLICATION

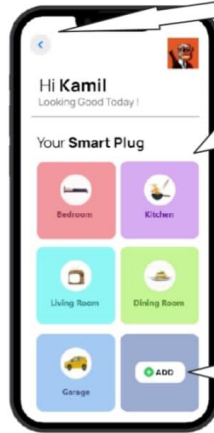


for user to
put their
username

for
password

sign in
button

Page 1

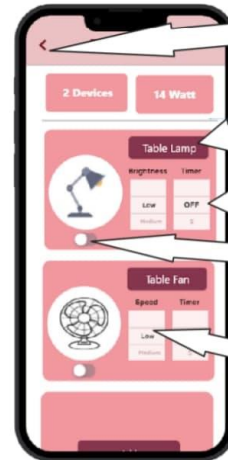


to exit this
app/ go to
login page

redirected to
the area page
to access the
smart plug in
that particular
area

redirected to
the page
(slide 4), to
register the
new area
that you want
to use the
smart
plug

Page 2



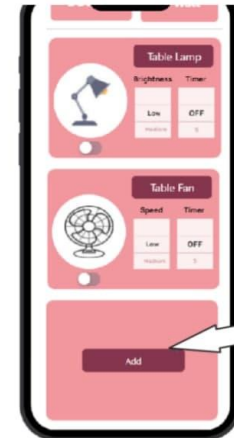
to go back
to the
previous
page

you can change the
label name for the
product

you can set the timer for
the device to be turn off

to remotely turn on/off the
device

to control the fan speed



redirected to the page that
allows you to register new
device in the area

Page 3



LOW FIDELITY MOCKUP – SMART IOT APPLICATION



to go back to the previous page

Choose the Categories

to choose the area that you want to add this smart plug

Bedroom
Kitchen
Living Room
Garage

The Device name

to label the device name

Ex: Kamil punya

The Device Number Series

to input the device number series

Ex: 87211006

The Connected Device Power Supply (W)

to register the power supply for the connected device

Ex: 50

save the change/registration

Page 4

to go back for the previous page

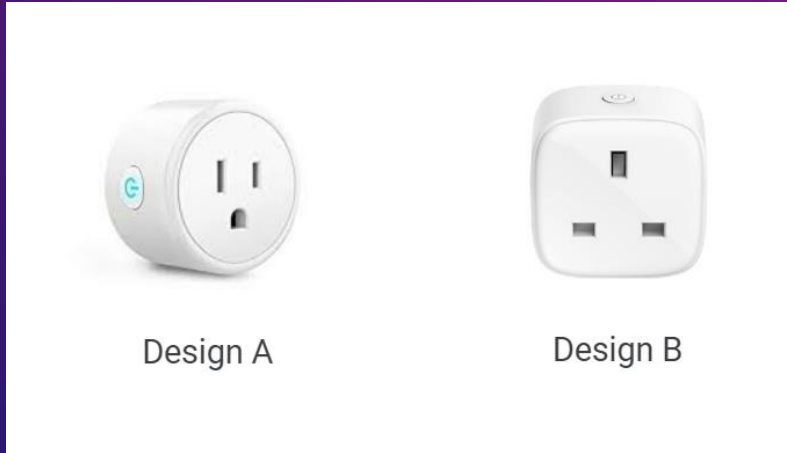
name the area that you want to apply the plug

by clicking this button you will be redirected to the registration page (slide 3)

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LOW FIDELITY MOCKUP – SMART IOT PLUG



Planned design of the Smart IOT Plug

Criteria, design
& specifications

White

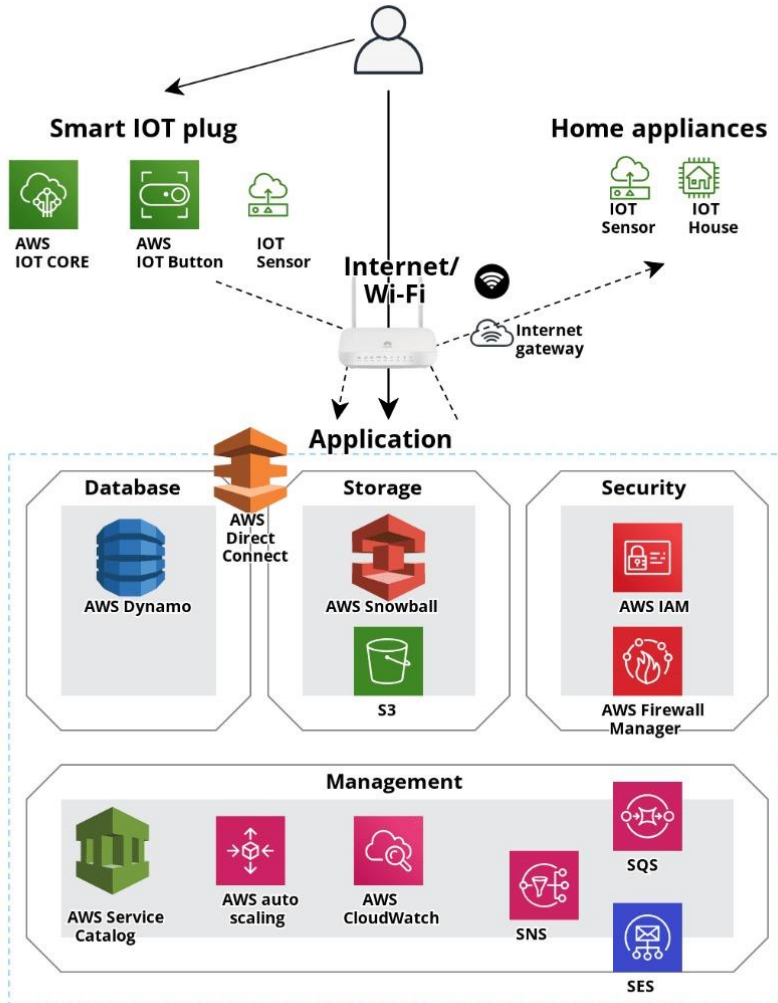
Circular &
Square shaped

Small sized

Power Button



AWS ARCHITECTURE DESIGN (ECOSYSTEM)



- ❑ Cloud computing architecture
- ❑ Includes all the AWS services
- ❑ Client and users can easily understand
- ❑ Involves front-end and back-end



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THANK YOU !!

