

MAXIMIZE EFFICIENCY OF SYSTEM FLOW BY APPLY NEW TECHNOLOGY

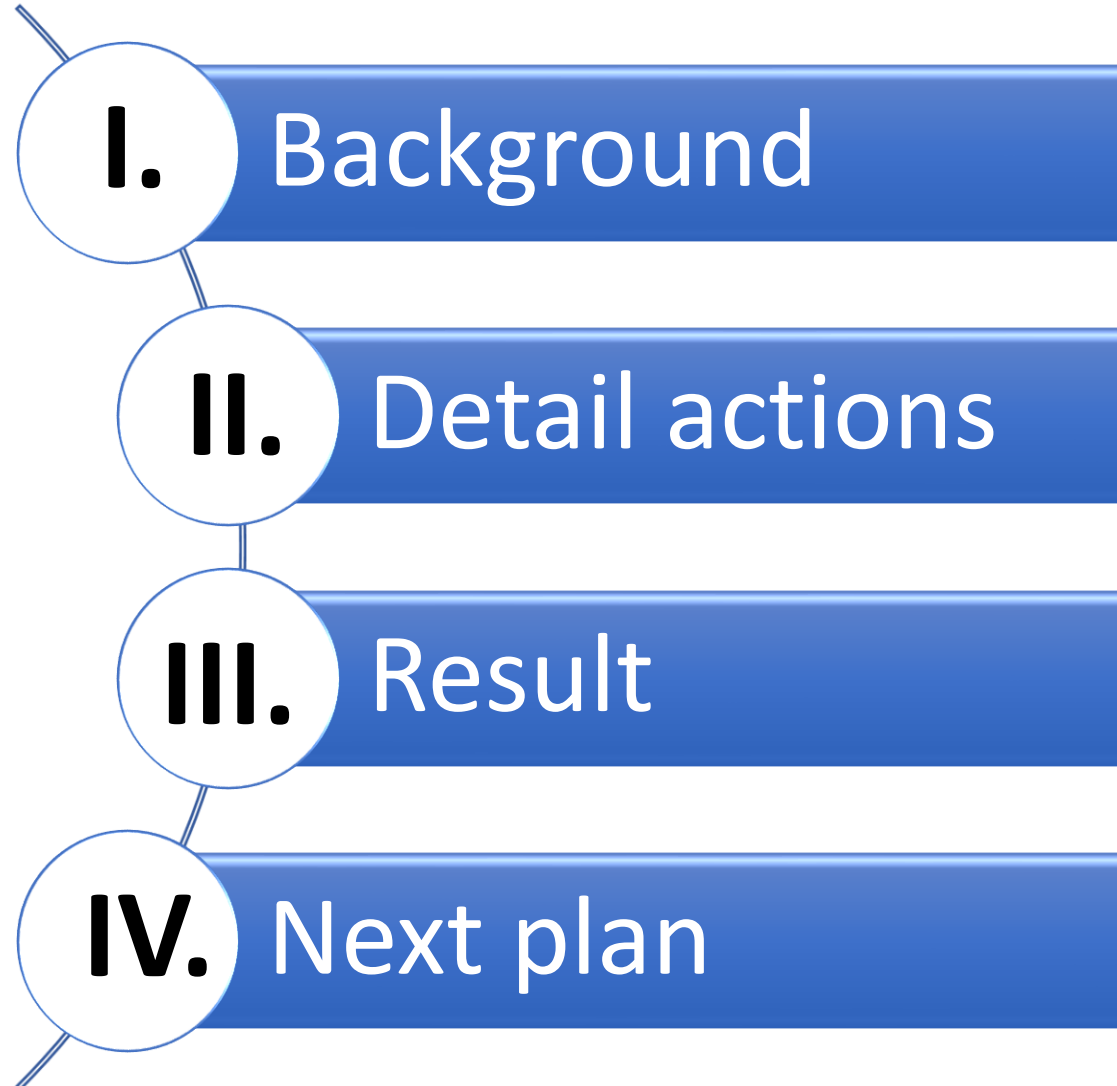
Reporter

Tran Thi Thuy

Department

TL TIM

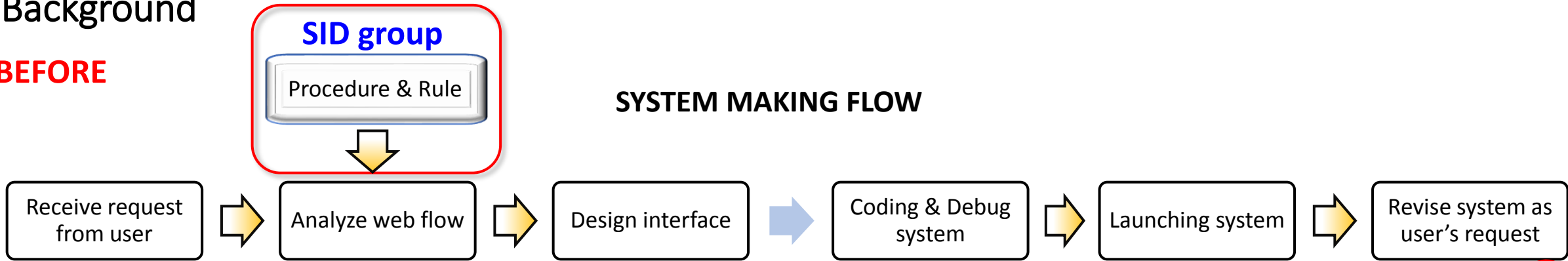
AGENDA



MAXIMIZE EFFICIENCY OF SYSTEM FLOW BY APPLY NEW TECHNOLOGY

I. Background

BEFORE



- All system be made by EIT (Coding group) => **Need 6 months to finish system**
- EIT modified system as user direct request => **Differ with procedure**

EIT need more support from SID

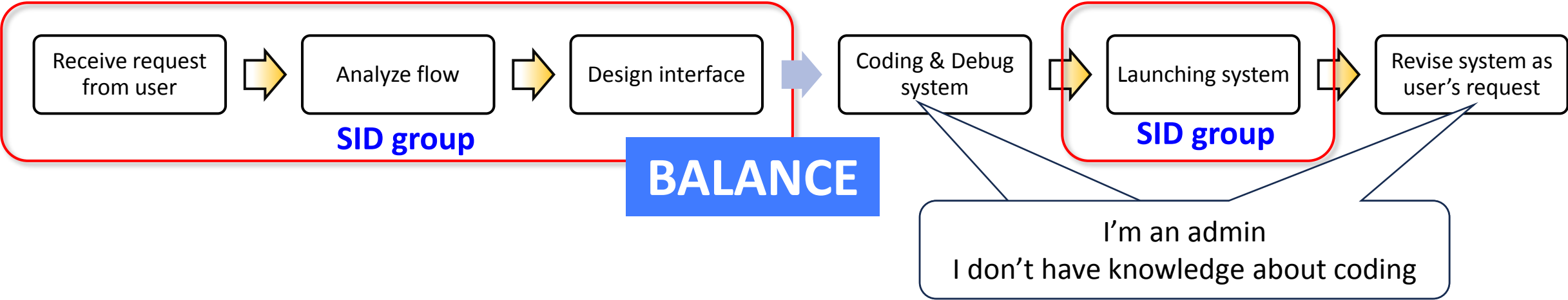
New system making/year

2023	2024	2025
5	8	10

EIT over workload

Risk violence in ISO, CIC audit...

NEW



II. Detail actions

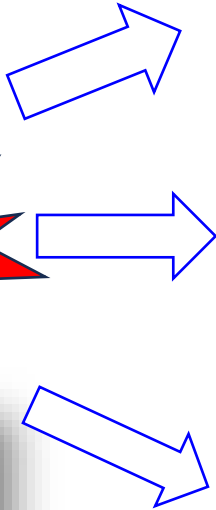
Tool using:  



Analyze flow



Design interface



Inflexible

⇒ Not exactly as user seeing



EIT

Re-Design by HTML, CSS

⇒ Double jobs

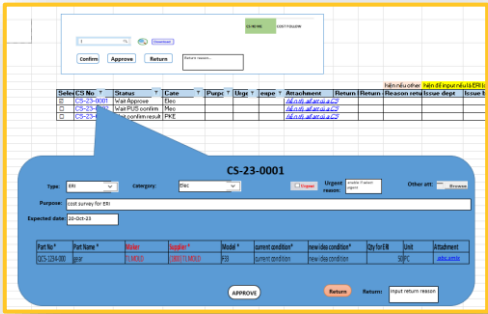
Coder



User

Only see actual interface⇒ Mis understand user requirement

Step	ASSY	PCB
Step 1: Issue	ASSY call PART NG From ASSY PROCESS Issue	PART NG From PCB PROCESS
Step 2: PCB confirm	<div>CAN DO!</div>	Investigation Repair Input result to system
Step 3: PE2 confirm		Repair OK Repair NG



- ❑ How to optimize design?
- ❑ How to reduce coder's re-design step?
- ❑ How to make user-friendly interface?

MAXIMIZE EFFICIENCY OF SYSTEM FLOW BY APPLY NEW TECHNOLOGY

II. Detail actions

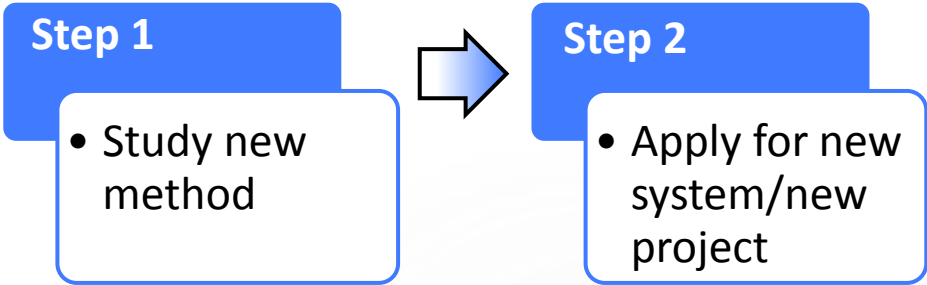
❖ Detail Step 1: Study new method

❖ Concept

Use **professional software**

- Visualize interface same with actual operation
- Easy for coding
- Interface include: Color, font size, and distance between each menu
- Can export code to HTML, CSS

Target: Cut off jobs to saving working time (**save 2 months** with old method)



Which software is most suitable in CVN?

II. Detail actions

❖ Detail Step 1: Study new method

Use professional software

	Sketch	Figma	Invision	Lunacy	MockFlow
Can working offline	✗	✗	✗	✓	✗
Free	✗	✗	✗	✓	✗
Support Windows	✗	✓	✓	✓	✓
Security	✓	✗	✗	✓	✗



IT accept by Flowlite

II. Detail actions

❖ Detail

✔ Built-in graphics to build design

✔ Auto la
Auto c



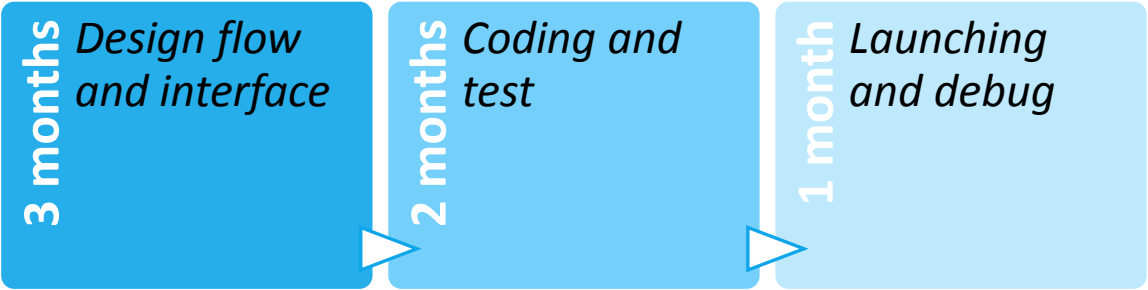
✔ Prot
Crea
simu

ogling

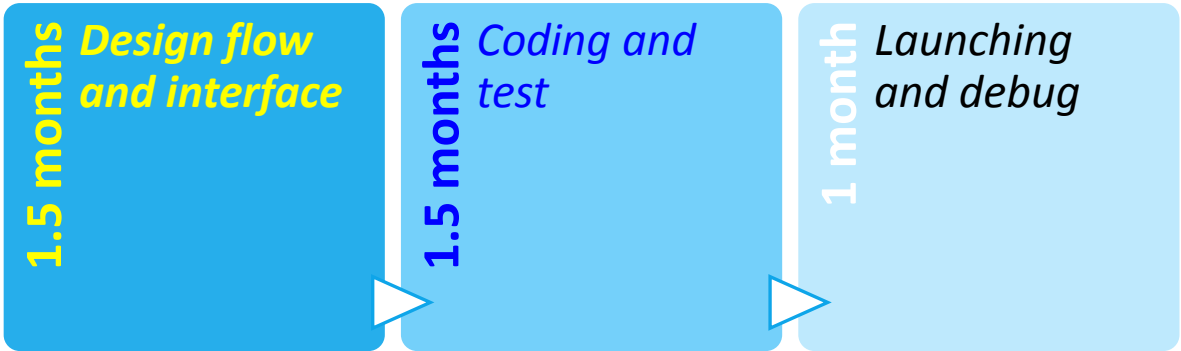
II. Detail actions

❖ Detail Step 2: Apply for **new system/new project**

Current route



Improvement



Difficulty

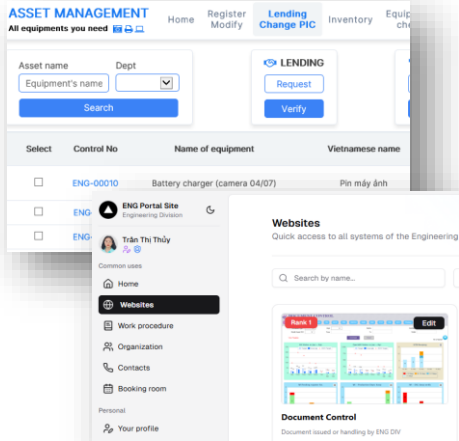
- ❓ How to make colors, fonts and layouts harmonious?
- ❓ Easy for coding (coder)
- ❓ Friendly with user



Document



Current website



III. Result

Finish design for TIDB mobile application

TIDB app

Old method

Draw by excel

Detail explanation for interface:

- Function
- Flow
- System action
- Condition for command button
-

Interface



New method

Design by Lunacy



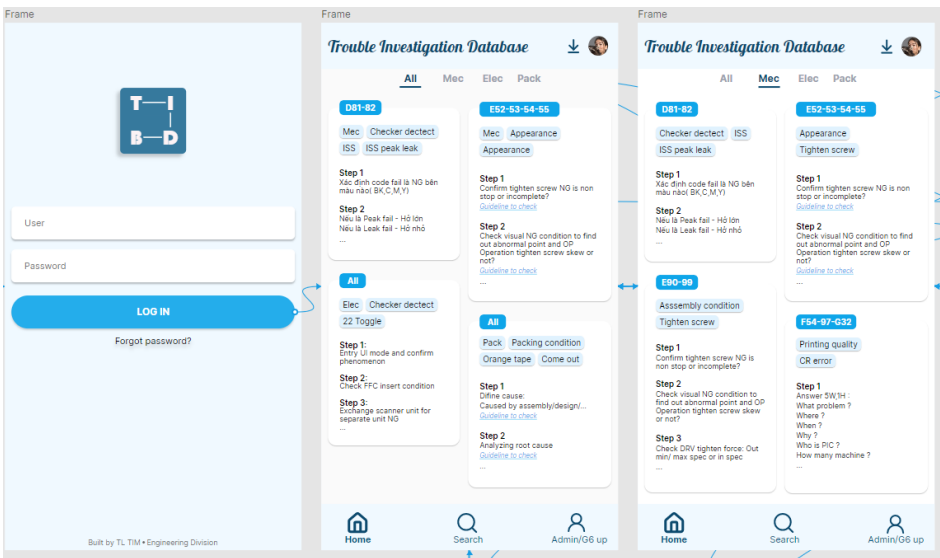
No need detail explanation for interface



Standardize fields (font, size, gap, color...)

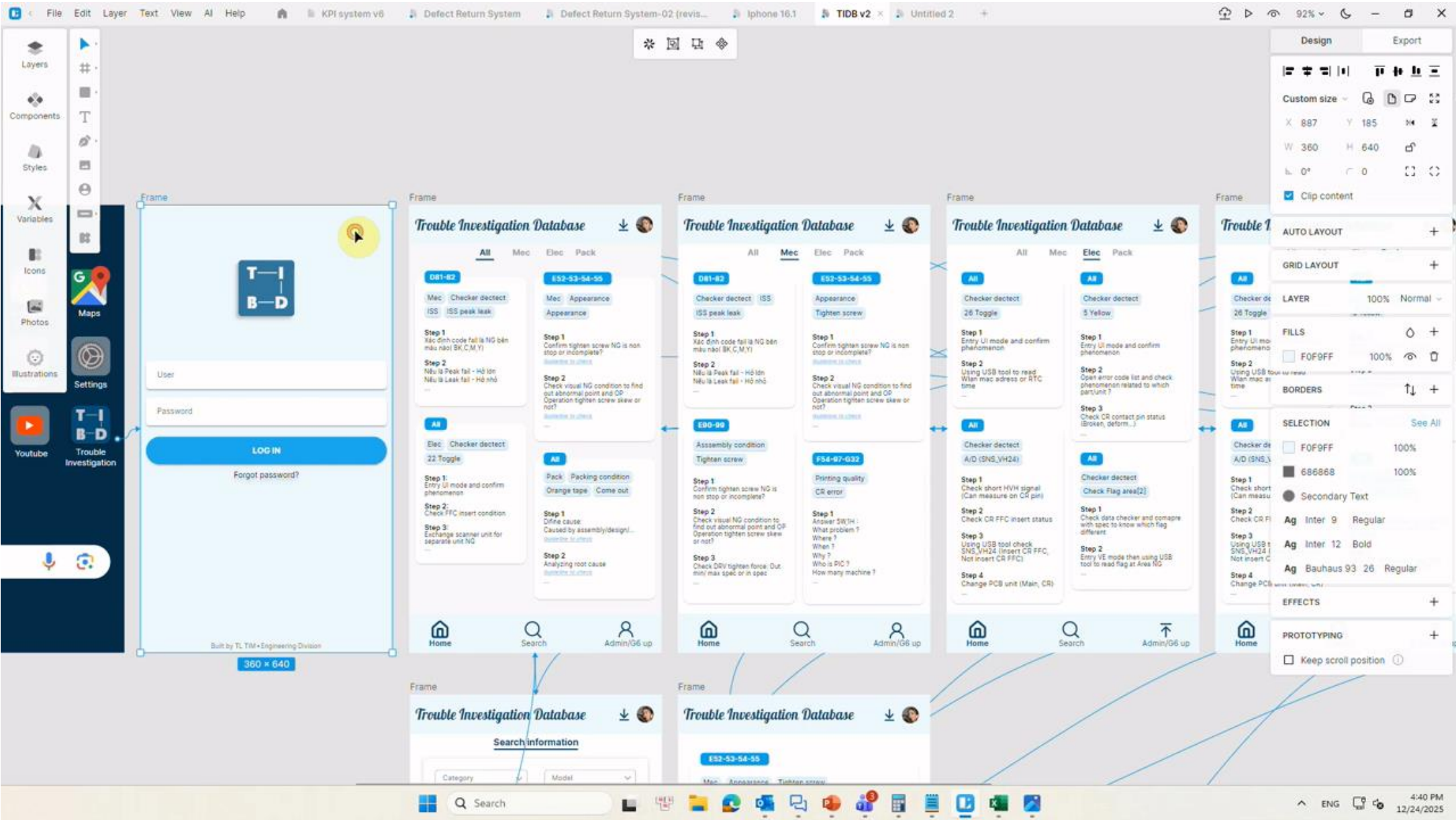


Connect function, button,... by Prototyping (Lunacy function)



III. Result

Finish design for TIDB mobile application



MAXIMIZE EFFICIENCY OF SYSTEM FLOW BY APPLY NEW TECHNOLOGY

III. Result

Merit

Finished interface
within 1 month

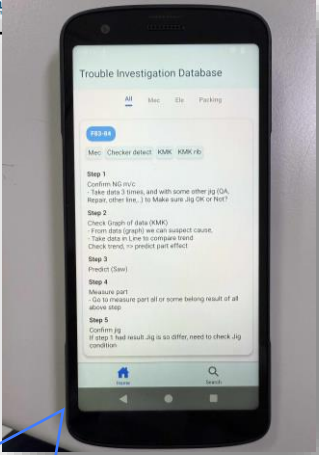
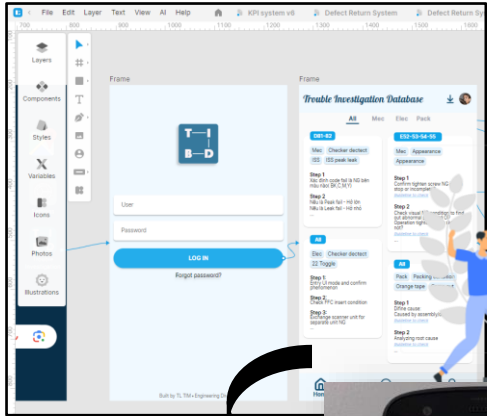
Coder
Coder easy to thinking interface
Using direct code export from Lunacy

CSS

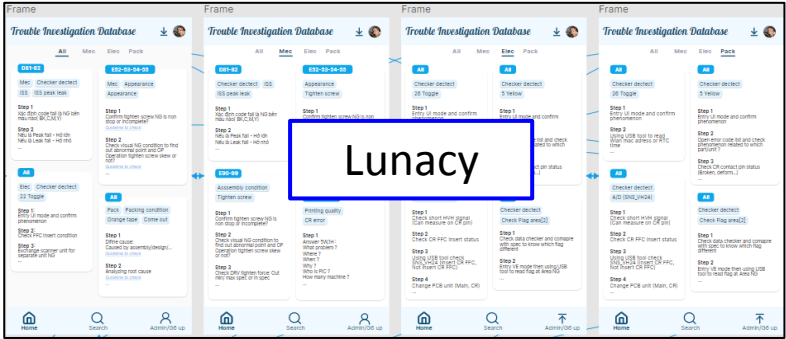
```
#home {
  position: absolute;
  left: 28px;
  top: 620px;
  width: 32px;
  height: 14px;
  font-family: 'Inter';
  font-style: normal;
  font-weight: 700;
  font-size: 11px;
  line-height: 13px;
  white-space: nowrap;
  text-align: center;
  color: #075985;
}
```

SID members
Save 2 months for making system
Improve design skill



Saving
~900\$/system



Launching after 4 months
design and coding



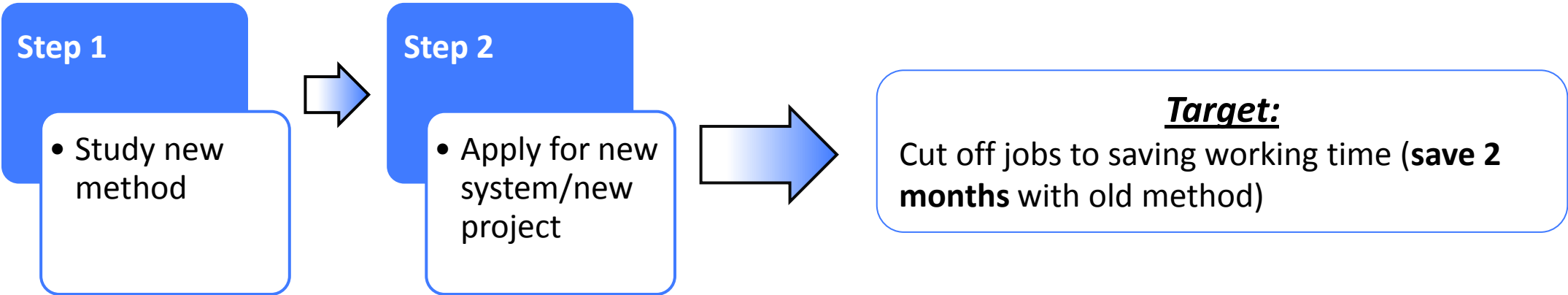
IV. Next plan

Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Training <ul style="list-style-type: none">• Make video training• Training for all related members												
Apply for next project <ul style="list-style-type: none">• Defect Return system• ENG training system•												



II. Detail actions

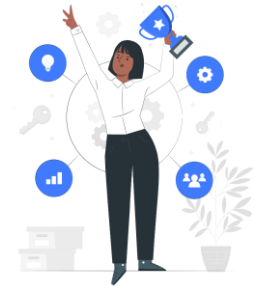
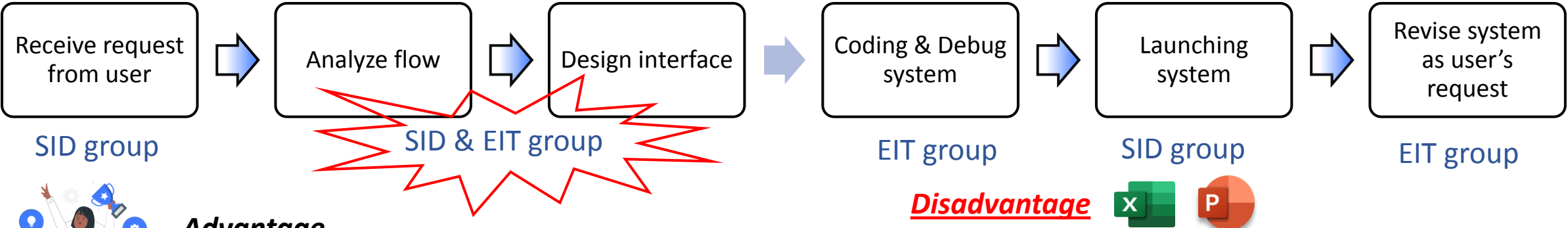
❖ Concept



❖ Detail

Step 1: Study new method

Option 1 Draw interface with EIT group by Excel, Power point



Advantage

✓ Reduce explain time to EIT group

Disadvantage



Coder difficult when change from Excel, Power point to coding