

①

Project II

*Calculator

UI: User interface \rightarrow يجرب أن تُجمَع *

UX: User experience \rightarrow والـ

Step ① *Planning Phase

FlowChart

* * *

ودة تخطيبي بـ \rightarrow بناء على المزول *

الخاص بالـ \rightarrow المزول

* Step ②:

ـ إدخال المحتوى *

Implementation

«Event Listener» \leftarrow Calculator \rightarrow Themes Java ①

① أول حاجة أنا عمل المثباتات اللي ما خلني فوالي

- numberstored = " ";
- CurrentNumber = " ";
- operation = " ";

ـ عايز دلوقتي أول إما اهتم بـ $\underline{\text{calc}}$ بـ $\underline{\text{Button}}$ على الشاشة

Is Number
Yes

is zero &
First digit?
Yes

is . ?
Yes

Add/Concat to
currentNumber only
once & Update UI

is All Button || Select جاں اے وسیے

.calc-key [data-type='number'] ← number

The Number Button
Between 0-9
and . also

Dot
operation

* Reset Button جیسی لایکے جاں حاجت اے

else if
type == "number"

if operation
Dot(.) or zero Click

IS Number?

NO

IS Reset
Button?

NO

Run Reset func
Clear all local Variable
for Current Number, stored Number
and operation to initiz value

is number
Ken 95 1?

NO

is a number
equal zero

is Delete
Button

Run Delete
function

Else

Do Nothing

②

-Execute operation



Final Step

- Add Current Number To Stored Number
- change Current Number To Null
- add operation to operation variable

is current Number
filled & stored Number
empty

Key Board

is Equal
Button

is Operation
Button

The function
Number (2)

Do Nothing

is
stored Number
&
current Number
&
operation
filled

Run Equal fun
apply the operation
on storedNumber
& currentNumber

Yes

3)

Type with keyboard

الآن الامر في حال دخال key الى Array جاري

const availableKey = [];

window.addEventListener('Event listener',

key event

event key

rule key

keydown

Arrow function

key event

event key

rule key

const keyboard with

Button class

الزراري للوضع

Button class

classList.add("hover");

ويتم إيقاف الوضع

element.classList.remove("hover");