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# 인터뷰 플랫폼 분석

2022.05.30

장예림 연구원

# 1. HackerRank (업체 1위)

Coding 1 : Untitled +

```
1 def addNumbers(a,b):
2     sum = a + b
3     return sum
4
5 num1 = int(input())
6 num2 = int(input())
7
8 print("The sum is", addNumbers(num1, num2))
9 fhdhfhdffhdffhdffh
```

Python 3

Chat Window

I1

Collapse Text Chat

Click on to join the Video room

Interviewer 1- Joined Video Conference

EMACS

Line: 9 Col: 20

Type here...

Run Code

Compiler Message

Compiled Successfully

Error (stderr)

Download

Traceback (most recent call last):

File "/tmp/submission/20220518/04/21/hackerrank-run-SWEMRtIqPX6Vlmf5Fukh/code/Solution.py", line 9, in <module>

fhdhfhdffhdffhdffh

NameError: name 'fhdhfhdffhdffhdffh' is not defined

Input (stdin)

2

3

Interviewer Invite Settings Exit

Scorecard

Code Quality ⓘ Add Rating ★★★★★

Enter your feedback here

Problem Solving (Basic) ⓘ Add Rating ★★★★★

Enter your feedback here

Language Proficiency ⓘ Add Rating ★★★★★

Enter your feedback here

Technical Communication ⓘ Add Rating ★★★★★

Enter your feedback here

System Design ⓘ Add Rating ★★★★★

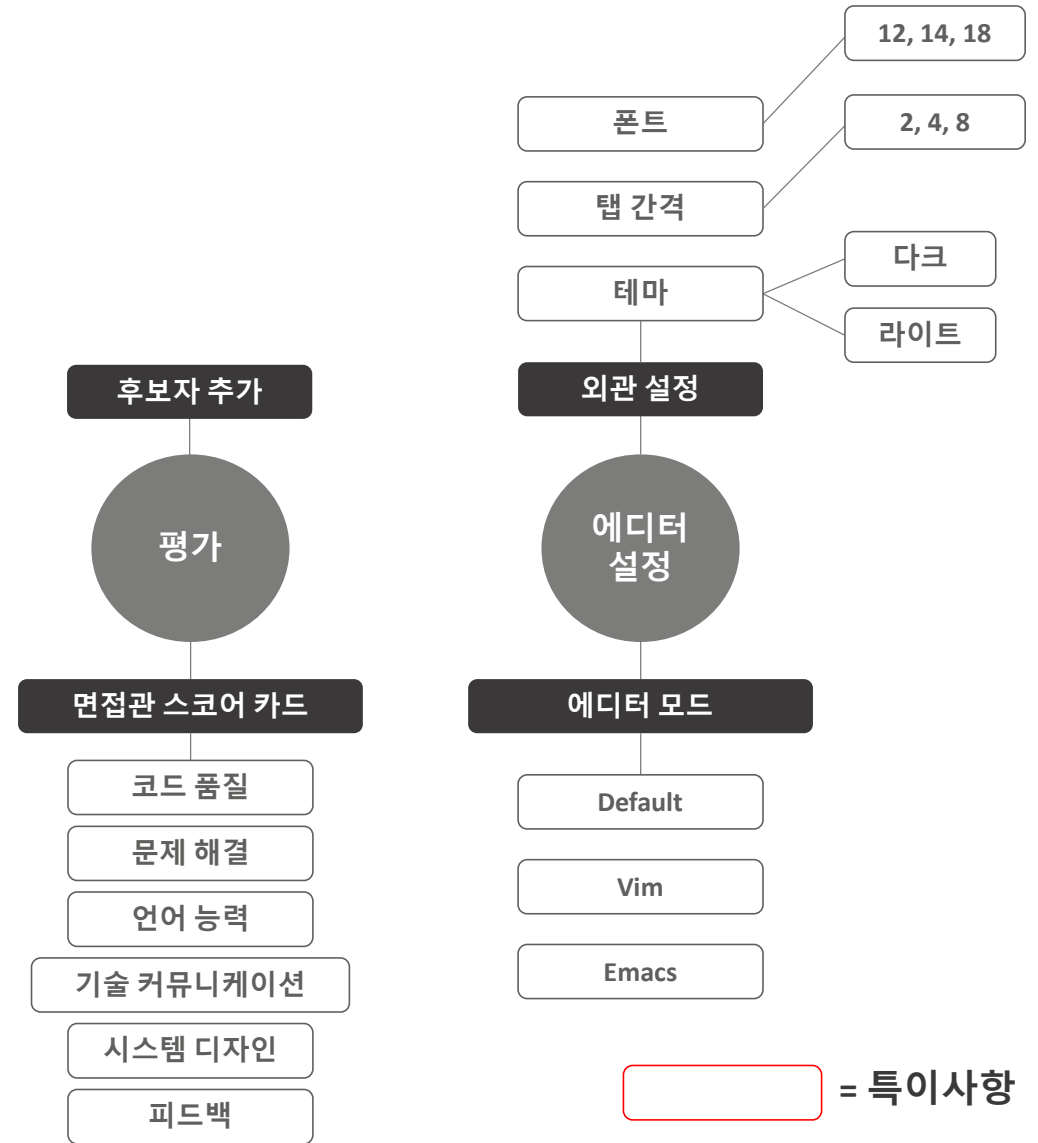
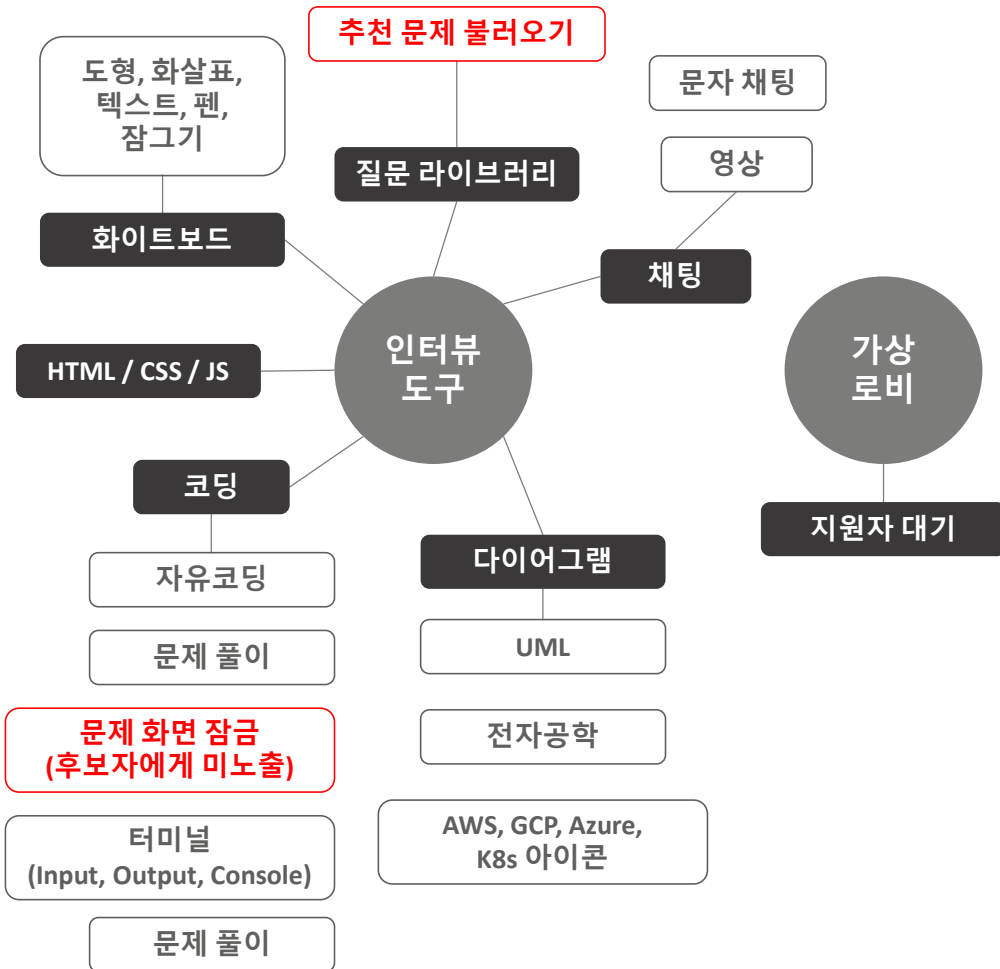
Enter your feedback here

OVERALL FEEDBACK

Enter your feedback here

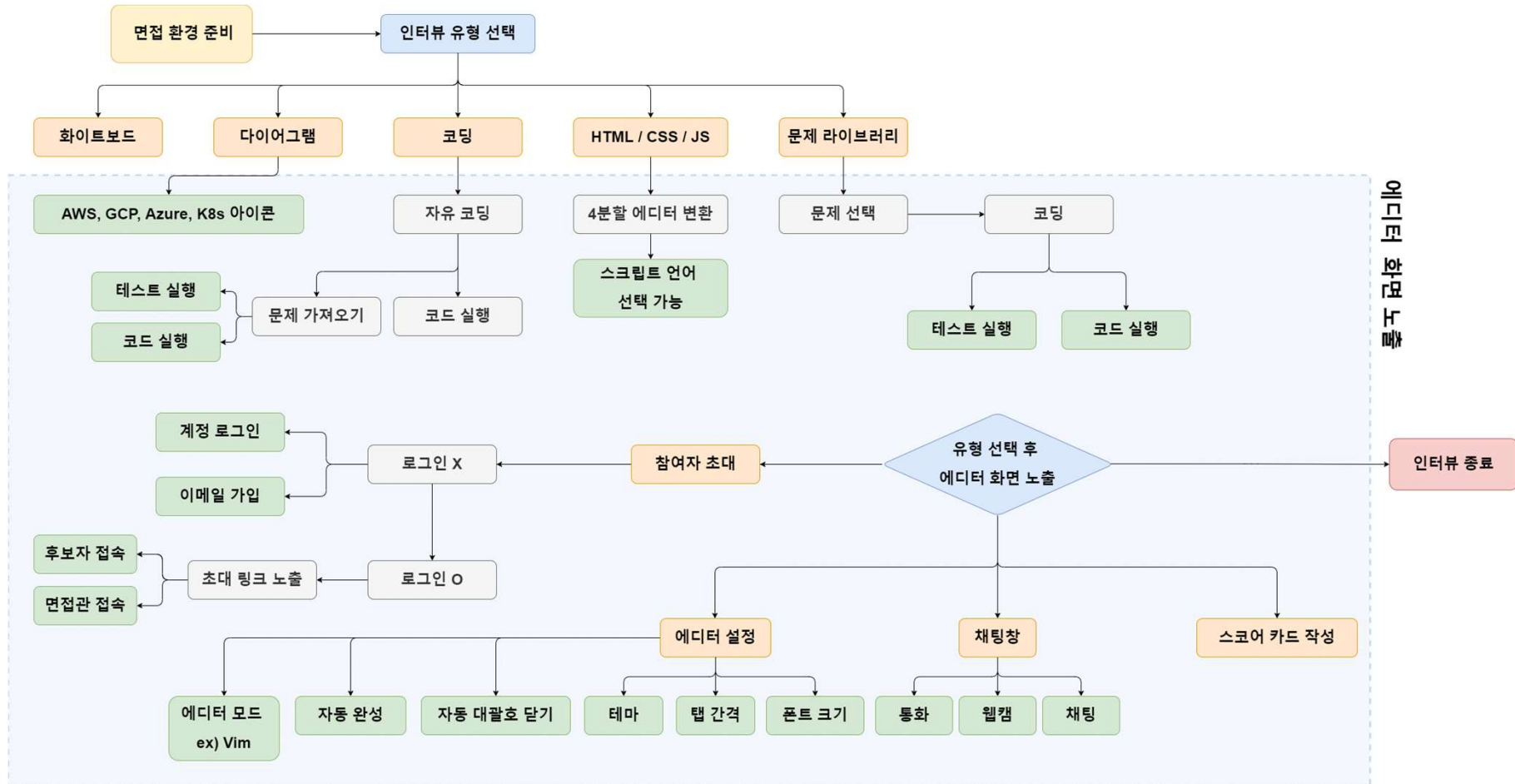
## Part 1-1

# Hacker Rank\_에디터 화면 기능 분석



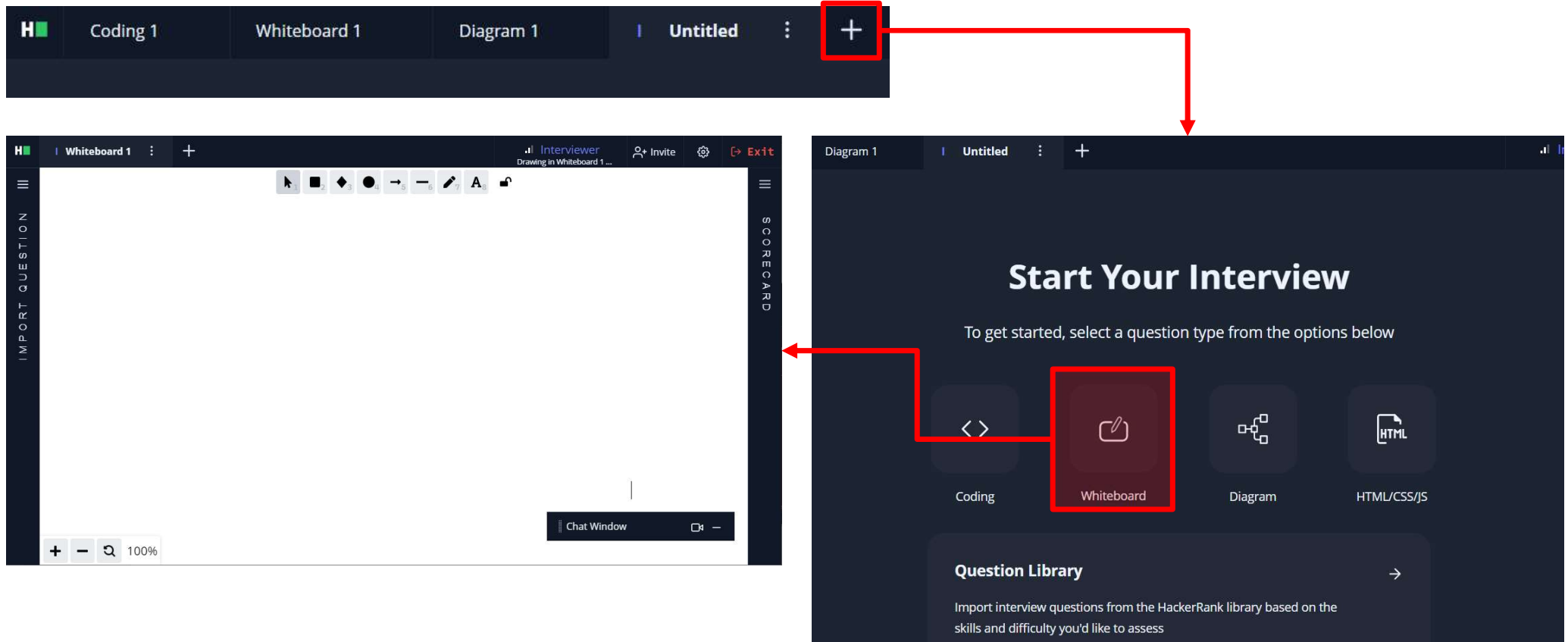
## Part 1-2

# Hacker Rank\_화면 흐름도



### Part 1-3

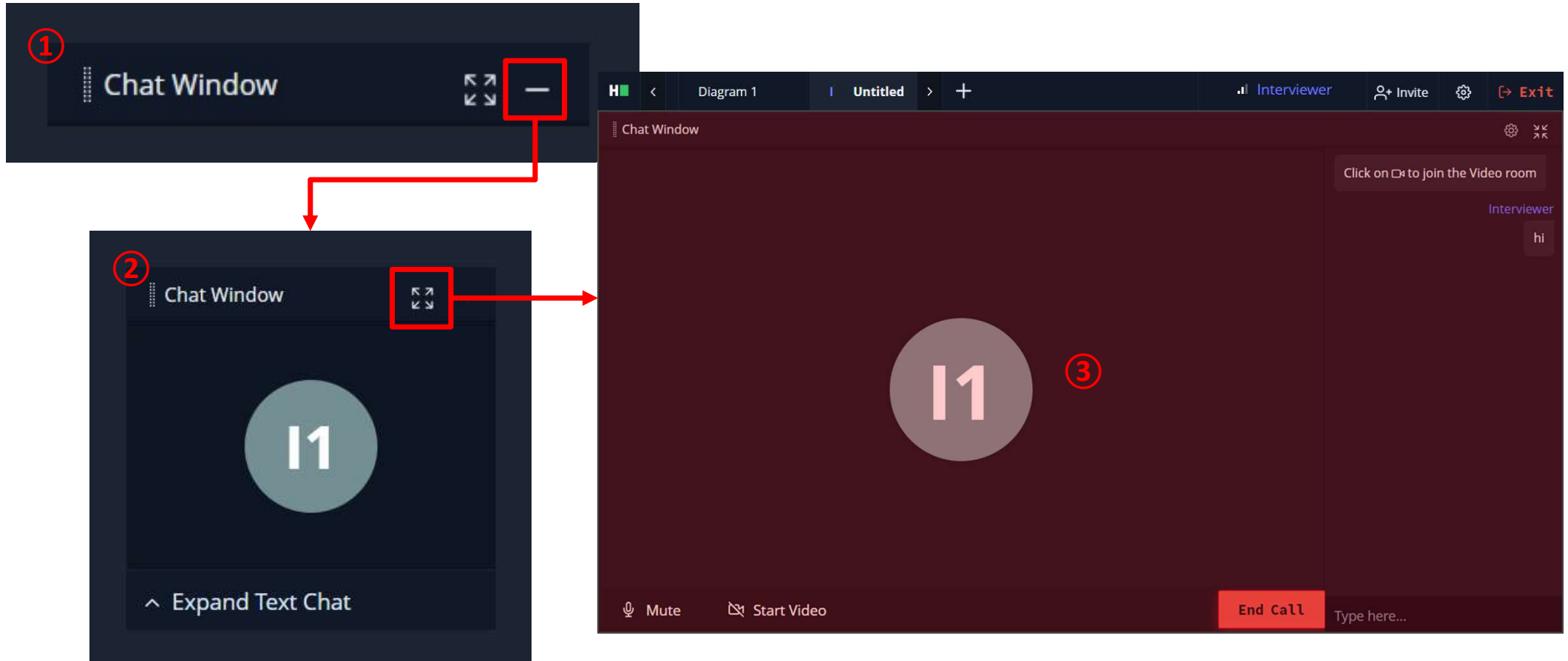
## Hacker Rank\_GOOD #1 유형 추가 탭 UI



탭에서 유형 추가 시 인터뷰 도구 선택 화면 노출

Part 1-4

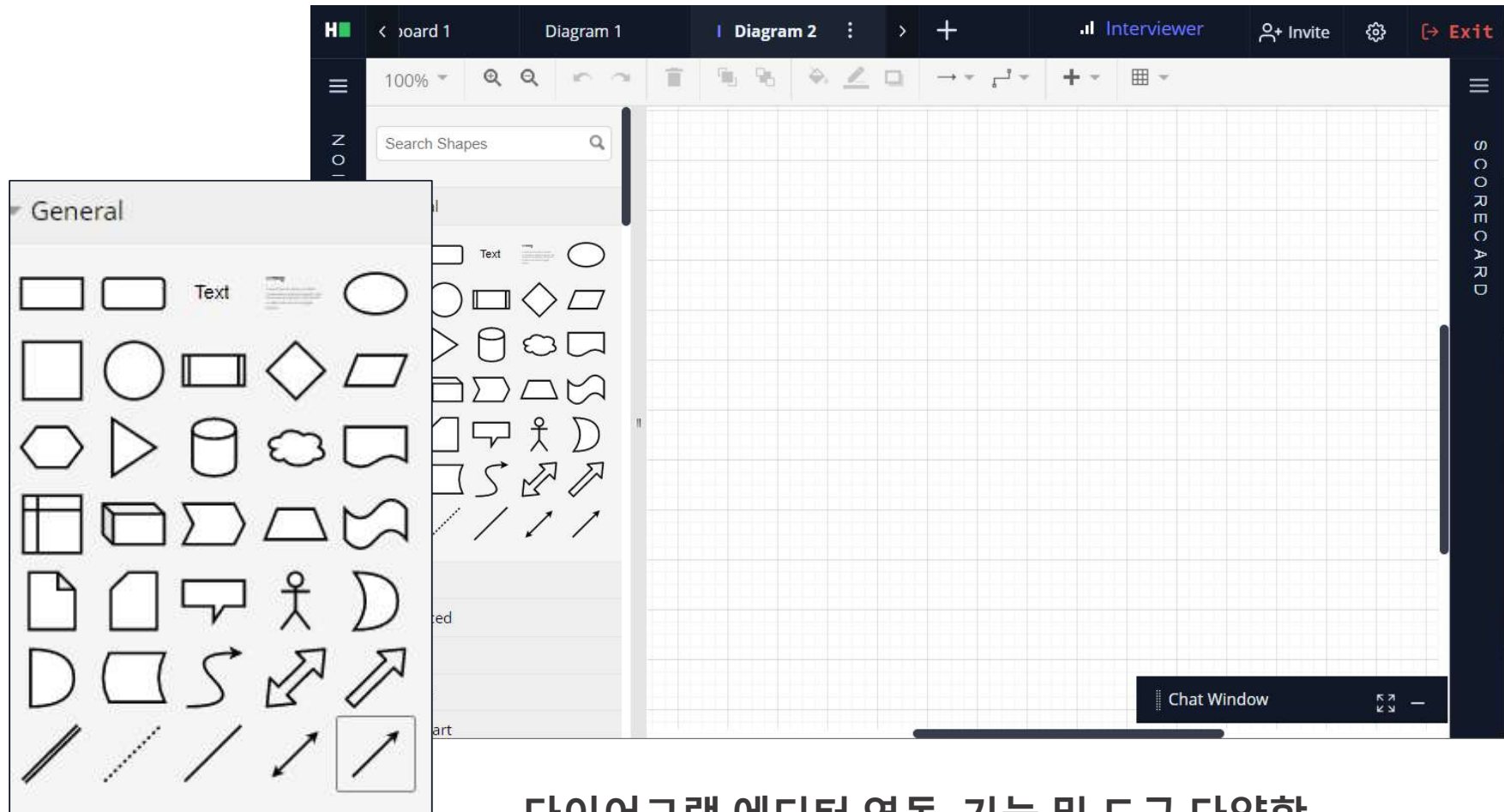
## Hacker Rank\_GOOD #2 영상 채팅 팝업 UI



채팅 팝업 1폴딩 및 2플로팅 or 3전체화면 전환 기능

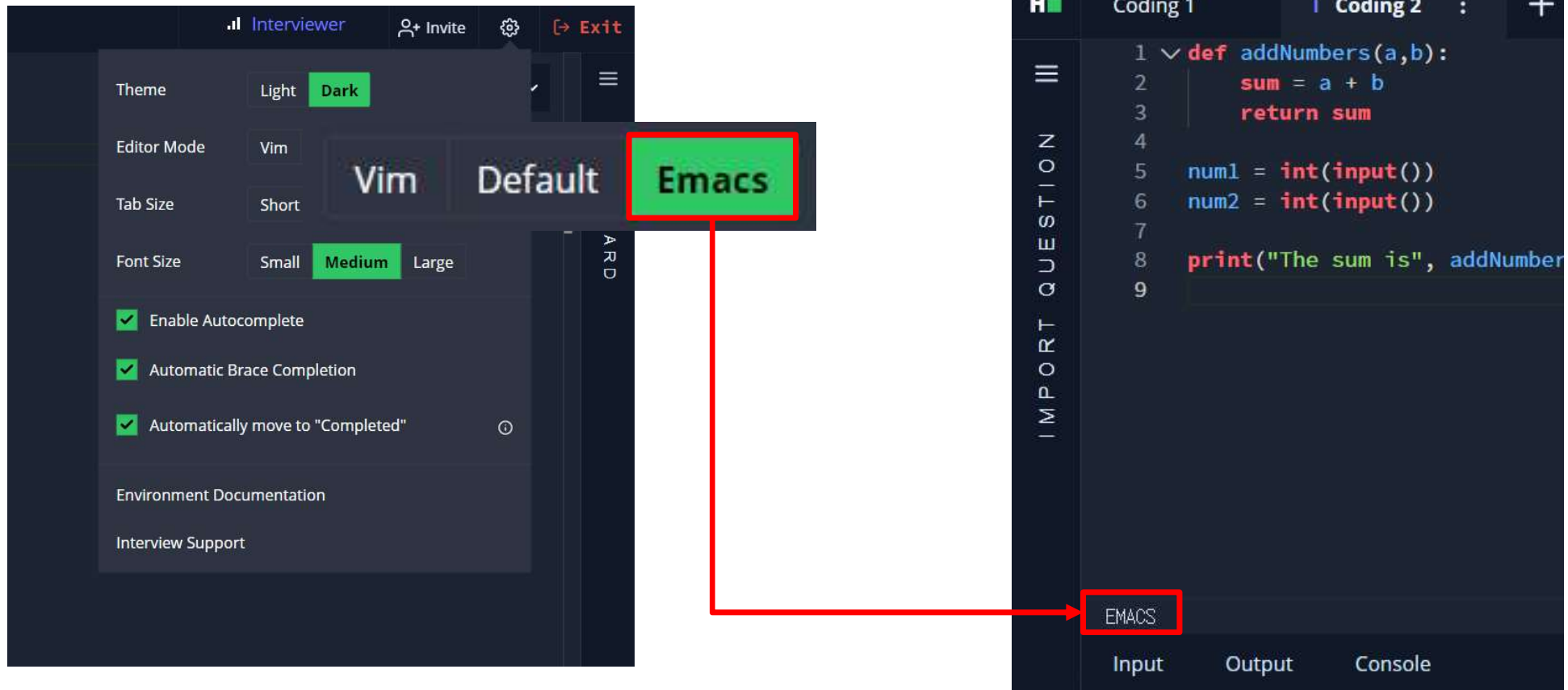
Part 1-5

## Hacker Rank\_GOOD #3 다이어그램 기능



## Part 1-6

# Hacker Rank\_GOOD #4 에디터 모드 변경



에디터 모드 변경 시 해당 모드로 전환됨을 표시해줌으로써  
변화를 감지할 수 있음



Run

Drawing Mode

Info

Packages

Java

Reset

Solution.java

```

1  /*
2  .* Click `Run` to execute the snippet below!
3  */
4
5  import java.io.*;
6  import java.util.*;
7
8  /*
9  .* To execute Java, please define "static void main" on a class
10 .* named Solution.
11 .*
12 .* If you need more classes, simply define them inline.
13 */
14
15 class Solution {
16     public static void main(String[] args) {
17         ArrayList<String> strings = new ArrayList<String>();
18         strings.add("Hello, World!");
19         strings.add("Welcome to CoderPad.");
20         strings.add("This pad is running Java " + Runtime.version().feature());
21
22         for (String string : strings) {
23             System.out.println(string);
24         }
25     }
26 }
27

```

Java environment ready. Hit run to try out some code!

## 2. CoderPad

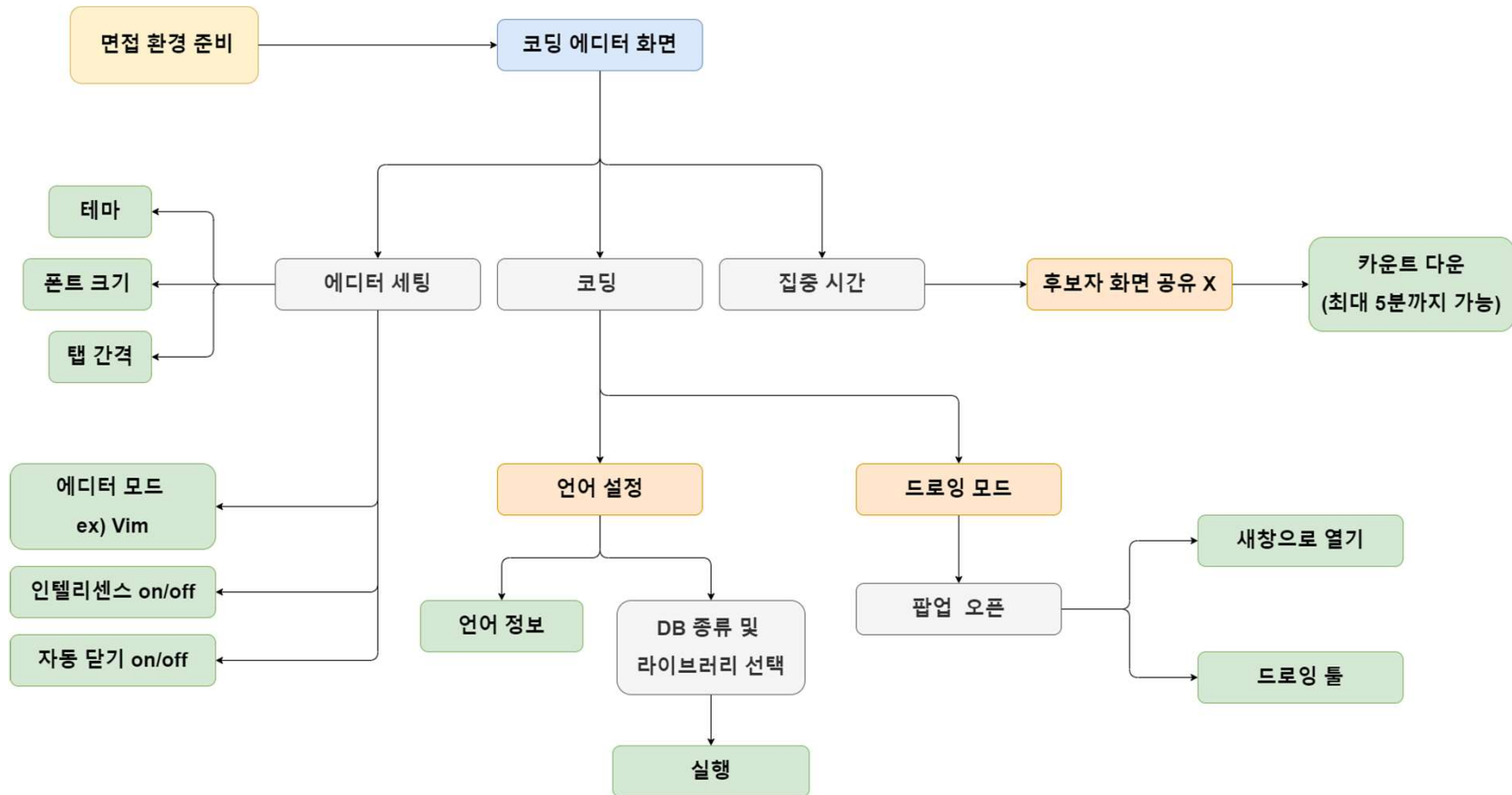
## Part2-1

# CoderPad\_인터뷰 화면 기능 분석



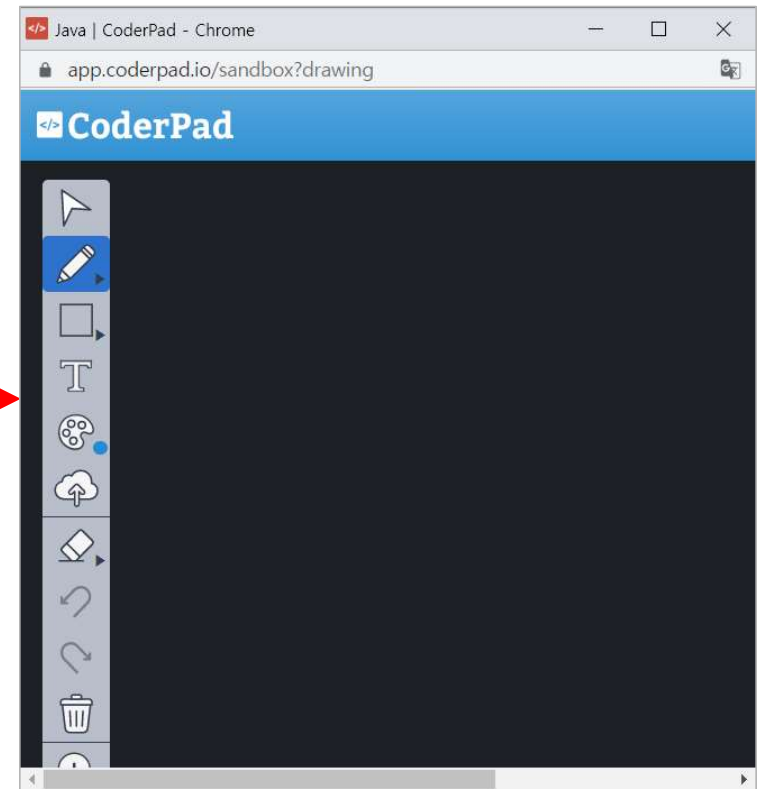
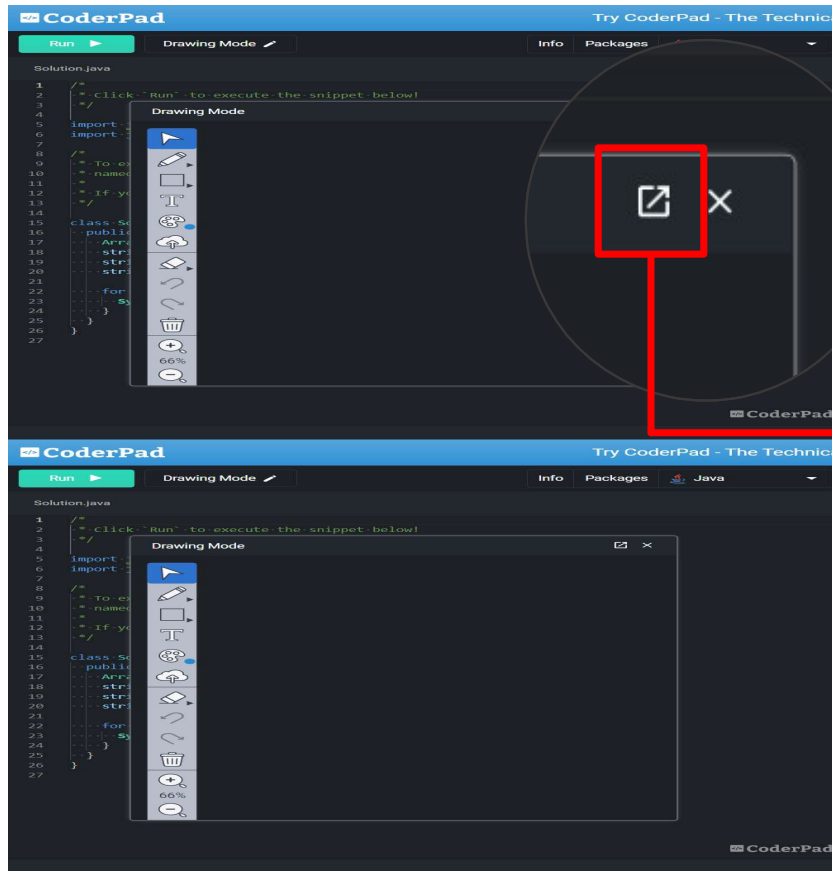
## Part2-2

# CoderPad\_화면 흐름도



## Part2-3

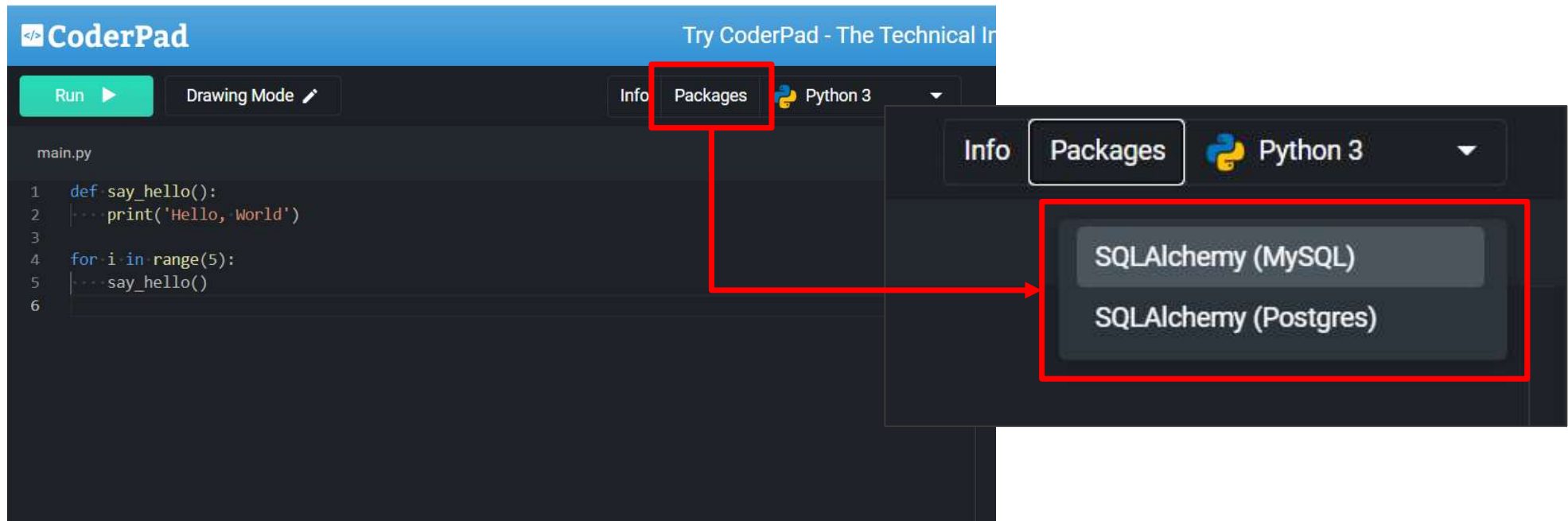
## CoderPad\_GOOD #1 화이트 보드 팝업



듀얼 모니터 사용 시 새창으로 분리하면 팝업창이 화면을 가리지 않고 사용할 수 있음

## Part 2-4

## CoderPad\_GOOD #2언어 관련 패키지



선택 언어 관련 DB종류 및 라이브러리를 실행할 수 있음

## Part2-5

## CoderPad\_GOOD #3집중 시간 기능

st a simple shared plaintext pad, v

now what language you'd like to use  
ose it from the dropdown in the top

so change the default language your pads a  
count settings: <https://app.coderpad.io/set>

interview!

rong with this **FizzBuzz** implementat

```
ch do |i|  
  == 0  
  z'  
  % 5 == 0  
  % 15 == 0  
  zBuzz'
```

Improve your performance by  
collecting your thoughts for 5  
minutes, without your  
interviewer watching.

Focus Time (5 minutes of alone time to  
think) has been shown to **drastically**  
improve a candidates' ability to pass  
technical assessments.

Your interviewer can't see what you're doing  
in the pad right now.

So take a few minutes to plan, brainstorm,  
or take a deep breath before you dive back  
in.

Sound: "Intro 01" by rhodesmas / CC-BY

Done with Focus Time?

End Early

후보자 작업이 흐릿해지고 비디오/오디오가 일시 중지됨

easy

Solutions

Discussion

## First Factorial

Have the function `FirstFactorial(num)` take the `num` parameter being passed and return the factorial of it. For example: if `num = 4`, then your program should return `(4 * 3 * 2 * 1) = 24`. For the test cases, the range will be between 1 and 18 and the input will always be an integer.

## Examples

Input : 4  
Output : 24

Input : 8  
Output : 40320

## Tags

recursion

math fundamentals

free

JavaScript

Vim

Emacs

Light

Reset

```
1 function FirstFactorial(num) {
2
3   // code goes here
4   return num;
5
6 }
7
8 // keep this function call here
9 console.log(FirstFactorial(readline()));
```

Run Code

Run Test Cases

Submit

8

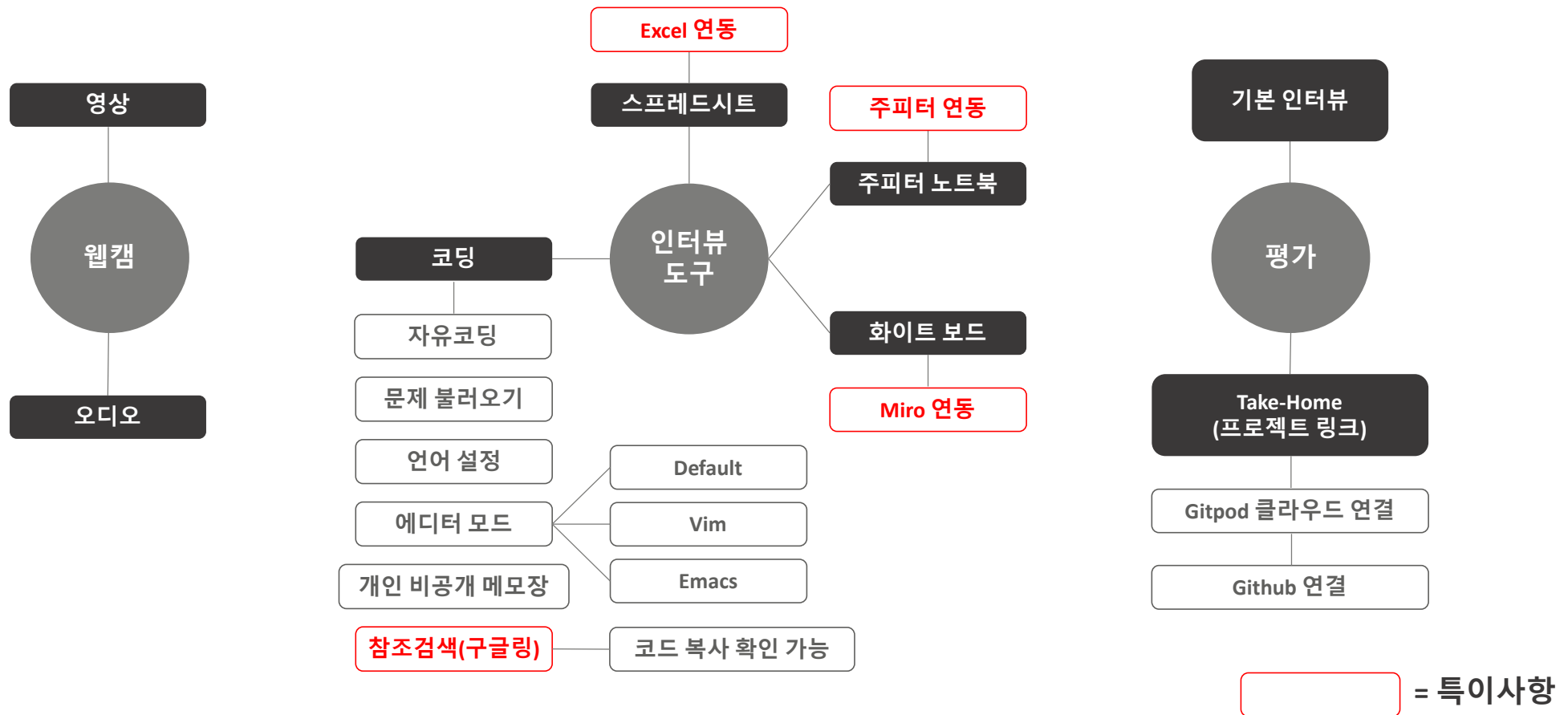
Auto-clear Clear Log

output logs will appear here

# 3. Coderbyte

## Part3-1

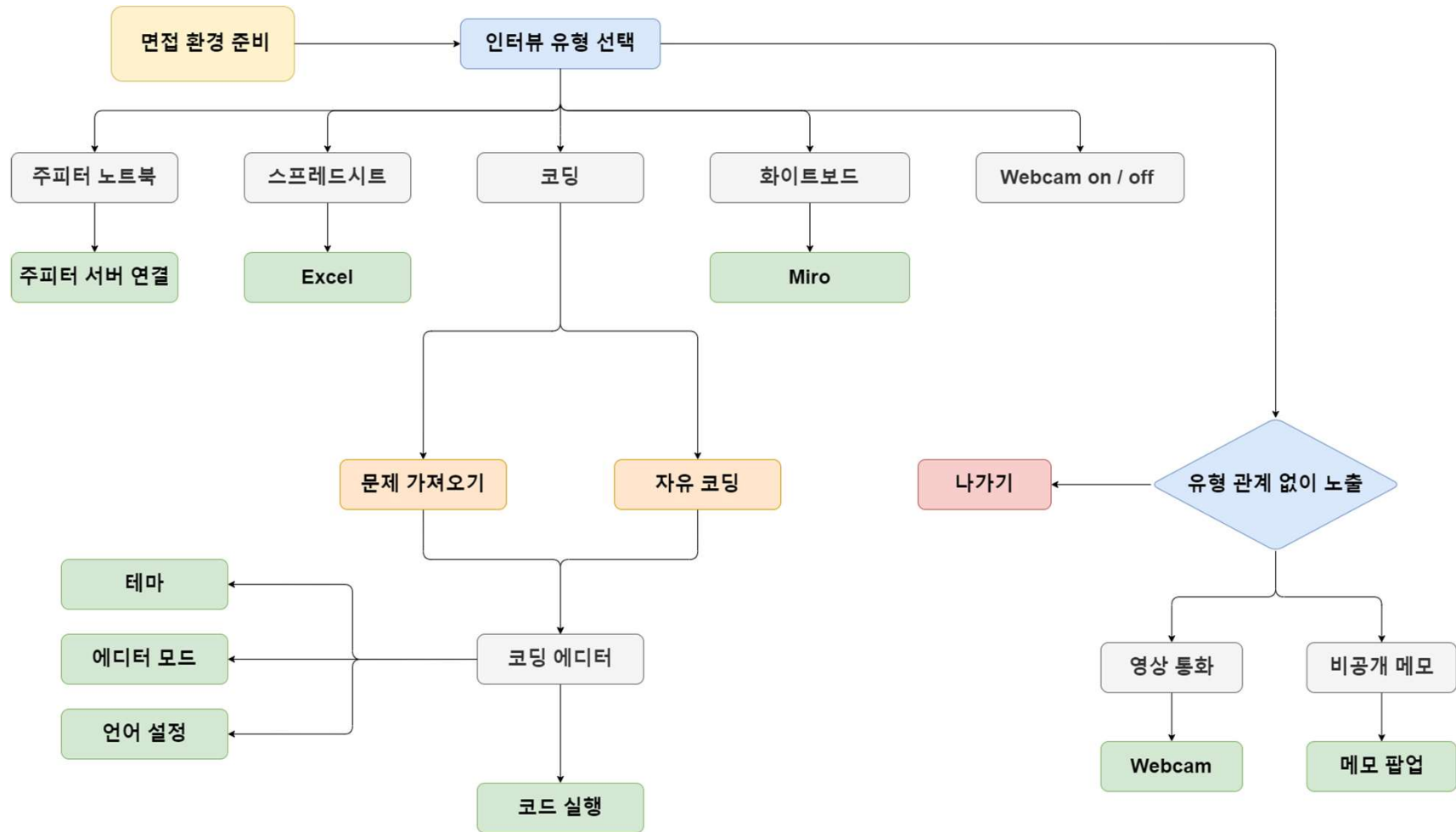
# Coderbyte\_인터뷰 화면 기능 분석





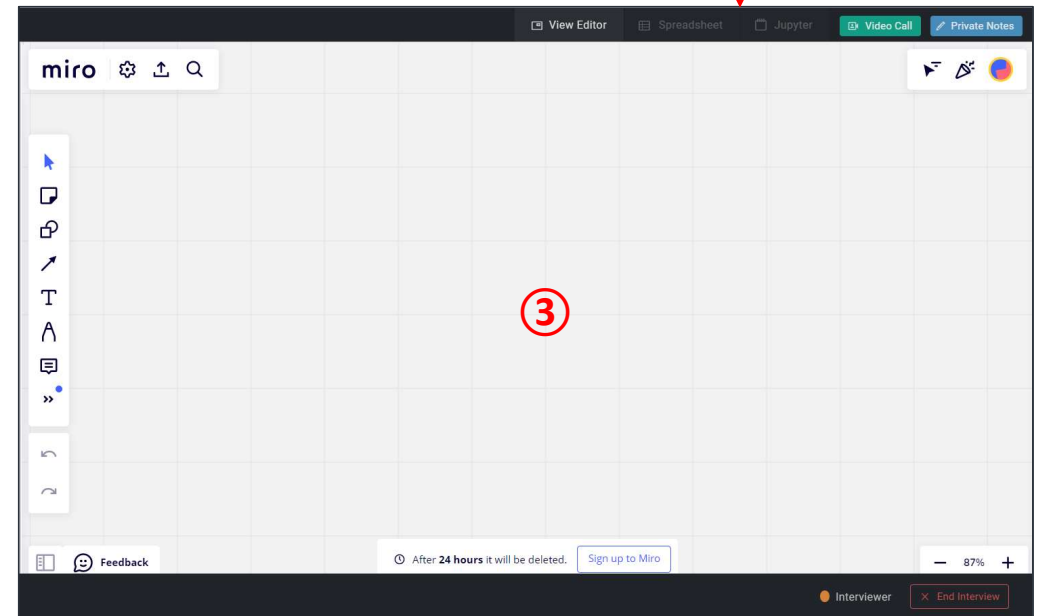
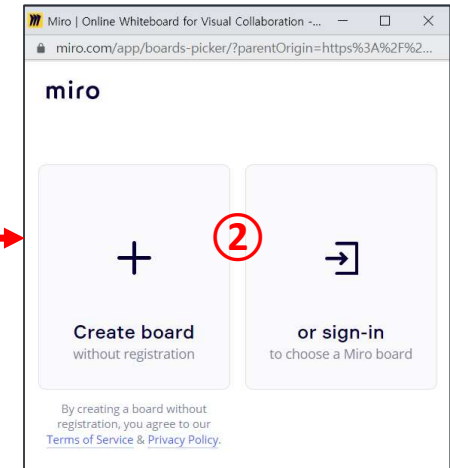
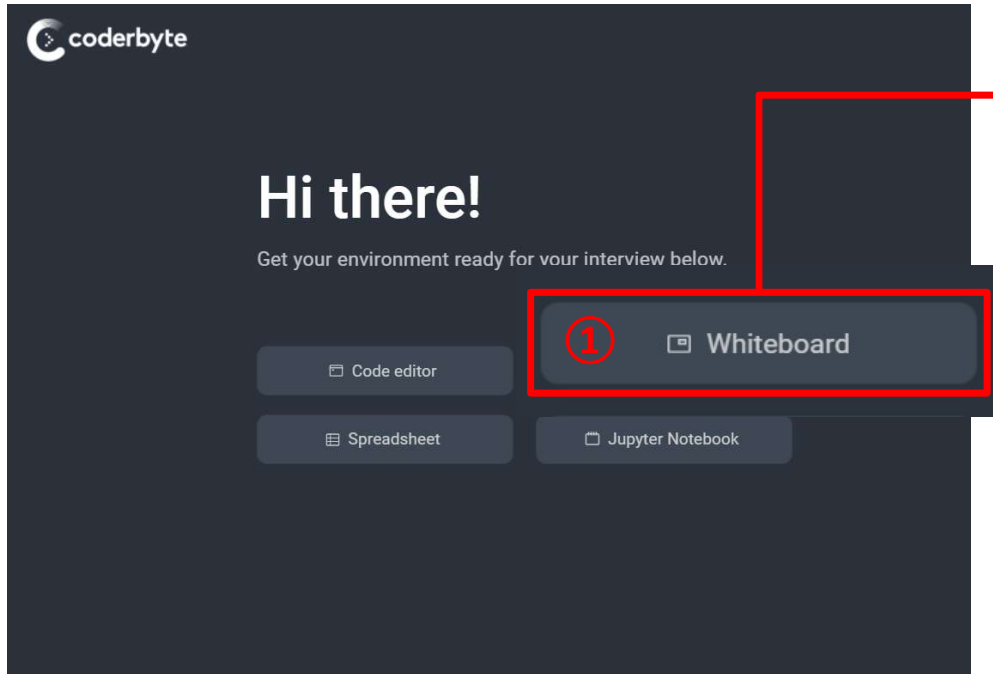
## Part3-2

# Coderbyte\_화면 흐름도



### Part3-3

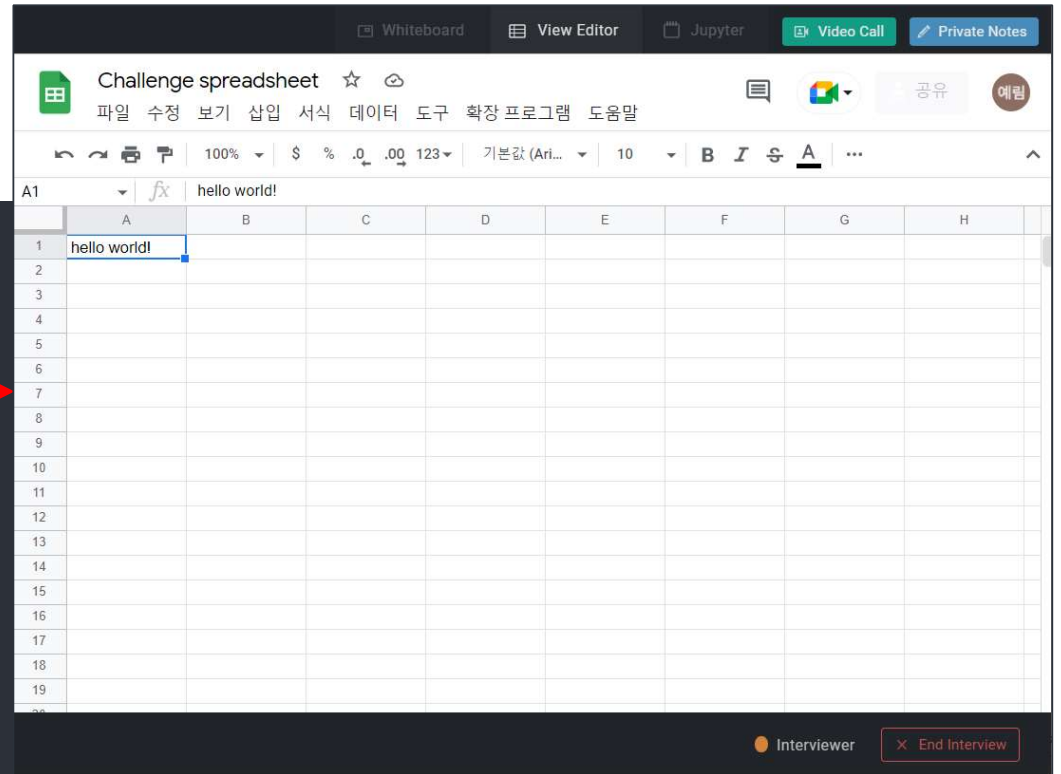
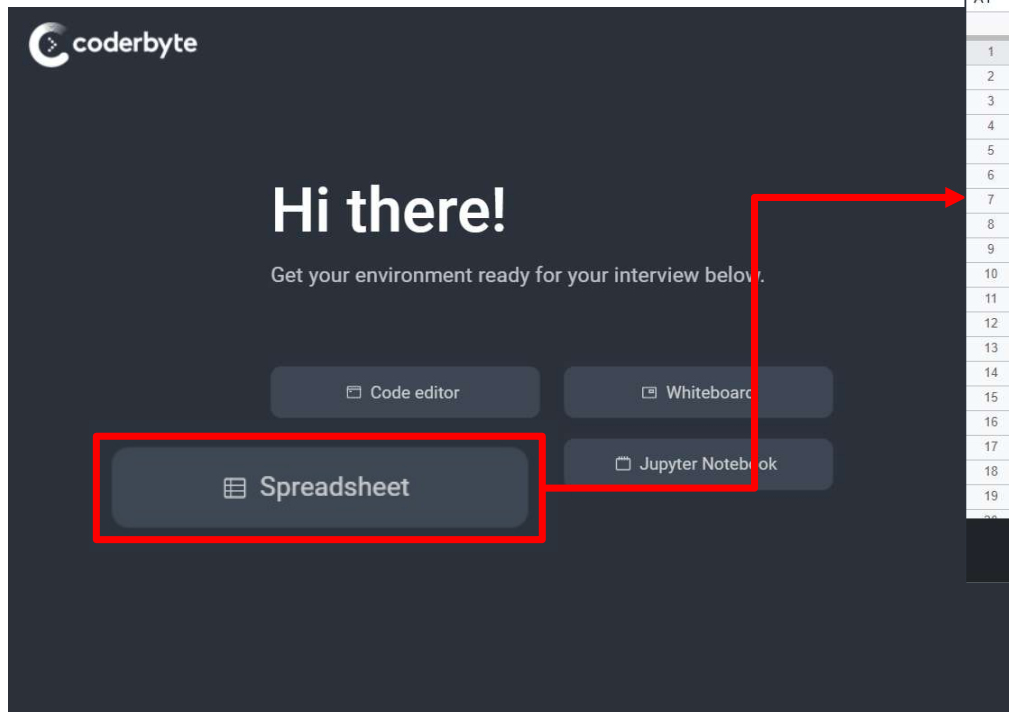
## Coderbyte \_GOOD #1 화이트 보드 연동



화이트 보드 에디터로 Miro 연동

## Part3-4

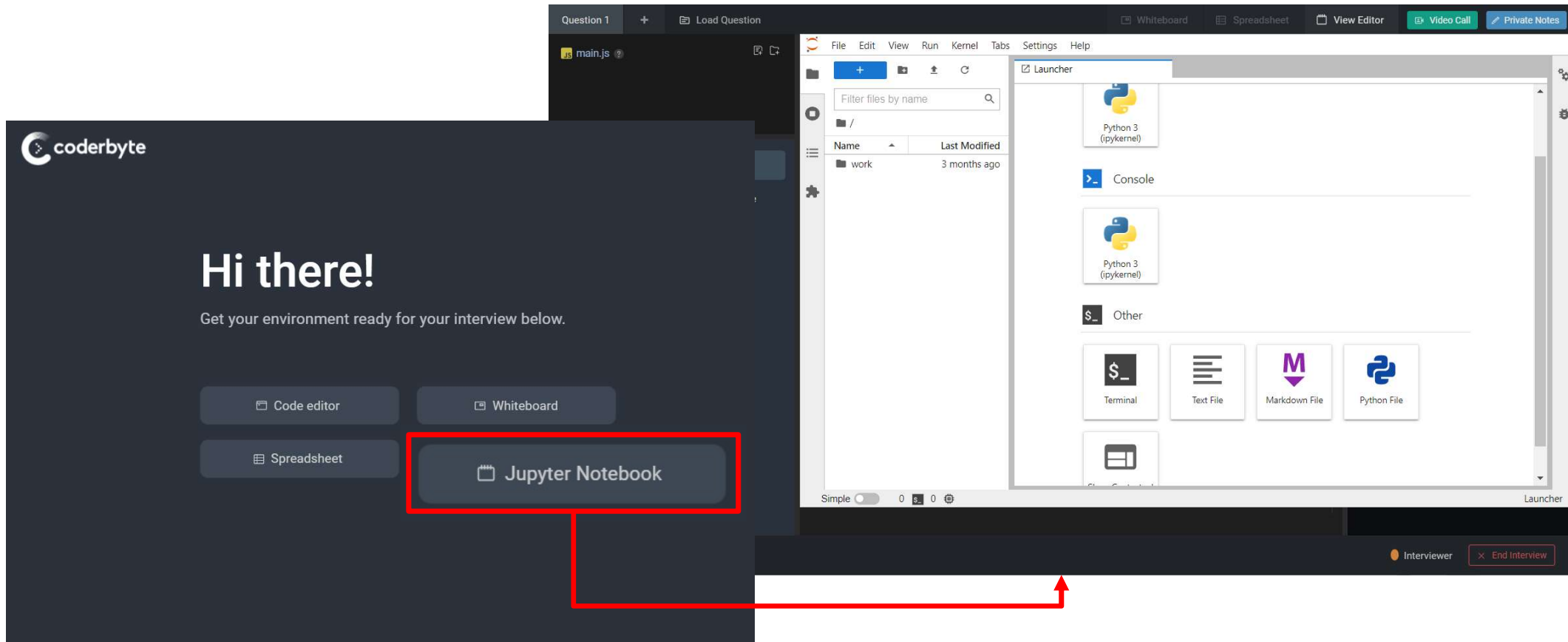
## Coderbyte \_GOOD #2 스프레드시트



스프레드시트 유형 선택 후 Excel 연동

## Part3-5

## Coderbyte \_GOOD #3 주피터 노트북



유형 선택 후 주피터 서버 연동

# 4. CodeSignal

BACK

Codewriting

300

Write a function that returns the sum of two numbers.

Example

For `param1 = 1` and `param2 = 2`, the output should be `solution(param1, param2) = 3`.

Input/Output

- [execution time limit] 5 seconds (ts)
- [input] integer param1

Guaranteed constraints:

`-1000 ≤ param1 ≤ 1000`.

- [input] integer param2

Guaranteed constraints:

`-1000 ≤ param2 ≤ 1000`.

- [output] integer

The sum of the two inputs.

[TypeScript] Syntax Tips

```
function helloWorld(name: string): string {  
  console.log("This prints to the console when you R  
  return "Hello, " + name;  
}
```

add

main.ts

TypeScript

```
1 function solution(param1: number, param2: number): number {  
2  
3 }  
4
```

TESTS

CUSTOM TESTS

RUN TESTS

Test 1

Input: param1: 1  
param2: 2

Expected Output: 3

Click the "Run Tests" button to see output and console logs.

Test 2

Test 3

Test 4

MORE

1202

542

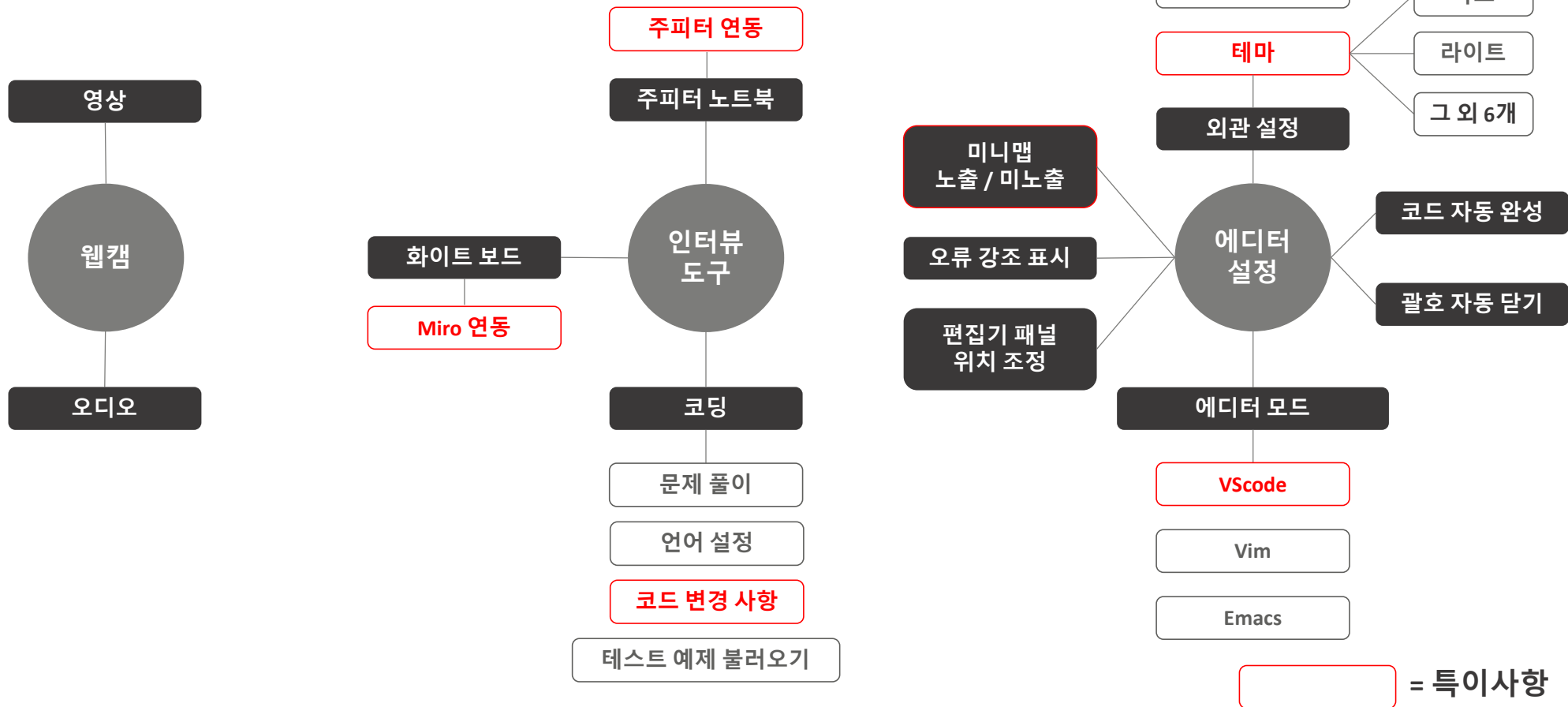
0/300

VIEW DIFF

SUBMIT

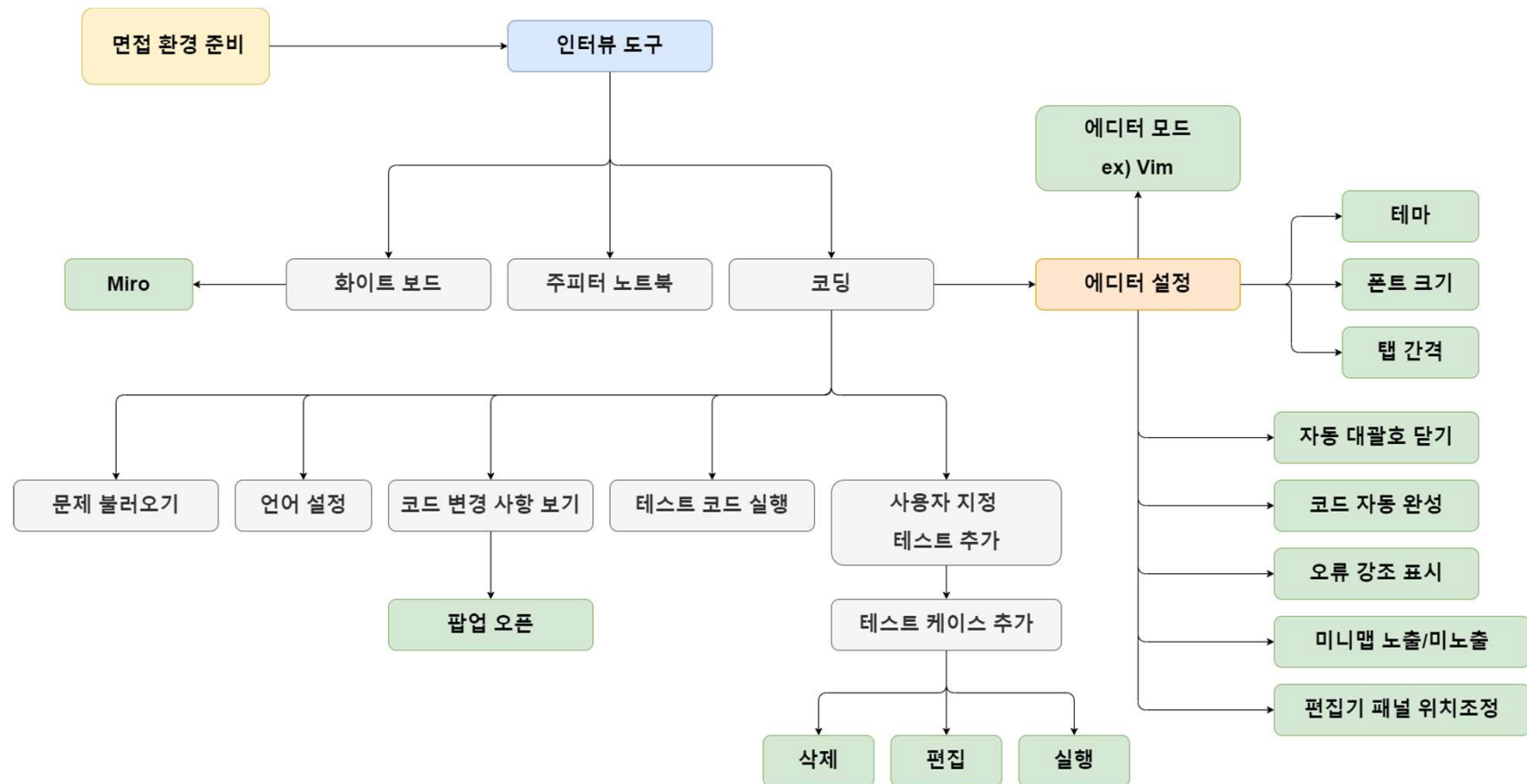
## Part4-1

# CodeSignal\_인터뷰 화면 기능 분석



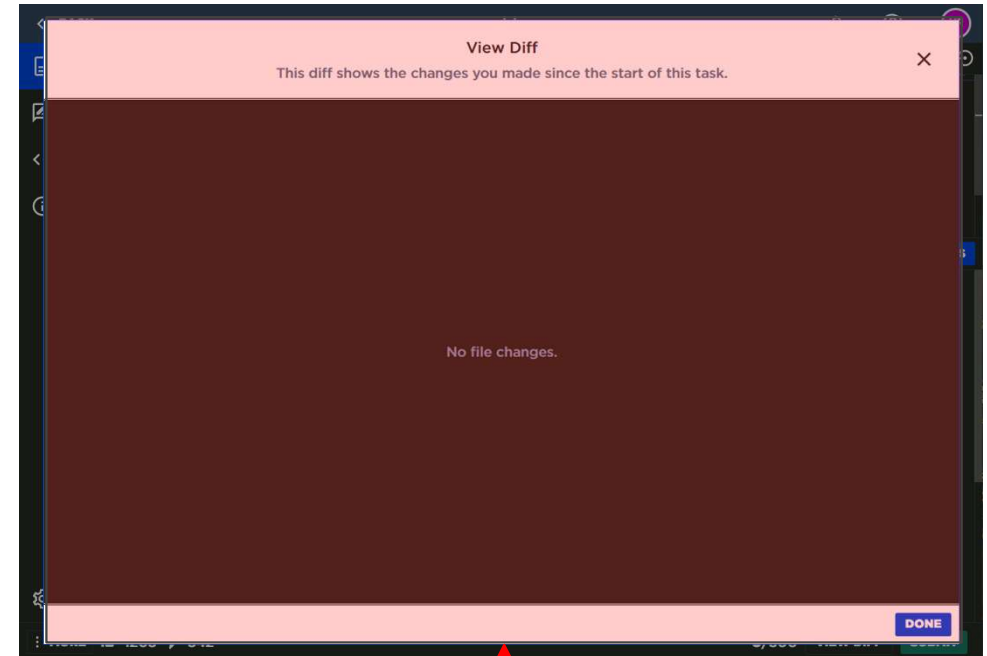
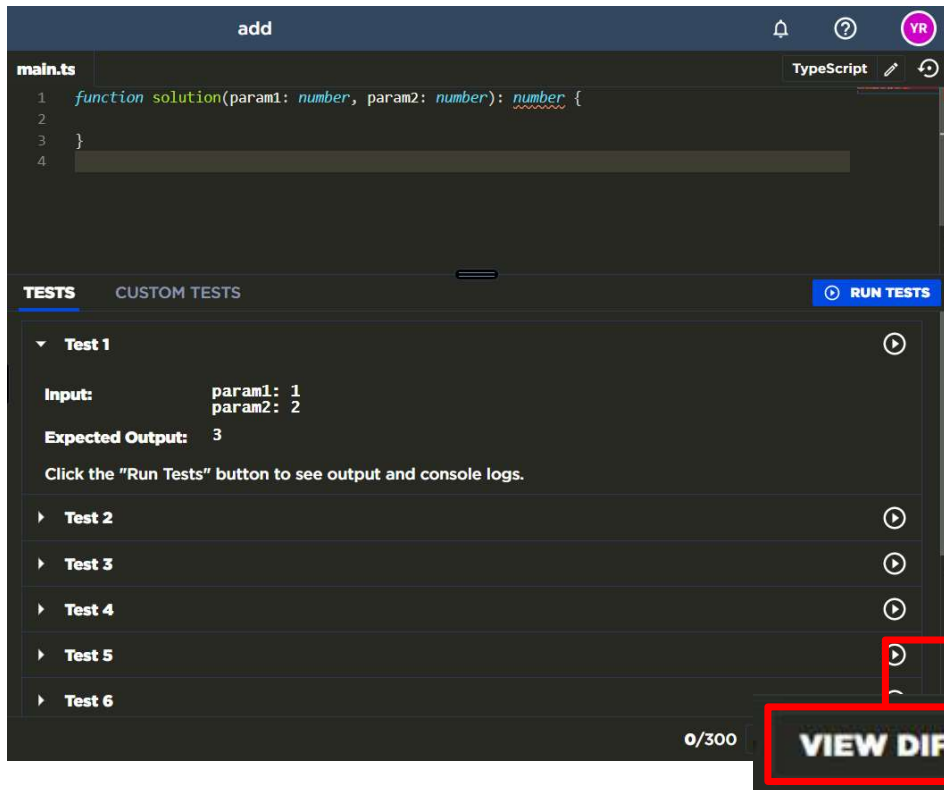
## Part 4-2

# CodeSignal\_화면 흐름도



## Part4-3

## CodeSignal\_GOOD #1 코드 변경 사항 보기



코드 변경 사항 확인 가능 팝업 노출됨



FILES

~/data

public

src

App.css

App.js

index.css

index.js

logo.svg

package.json

yarn-error.log

DEPENDENCIES

2022-05-24 - Interview

Templates

End Interview

1 import React, { Component } from 'react';

2 import logo from './logo.svg';

3 import './App.css';

4

5 class App extends Component {

6 render() {

7 return (

8 <div className="App">

9 <header className="App-header">

10 <img src={logo} className="App-logo" alt="logo" />

11 <h1 className="App-title">Welcome to React</h1>

12 </header>

13 <p className="App-intro">

14 To get started, edit <code>src/App.js</code> and save to reload.

15 </p>

16 </div>

17 );

18 }

19 }

20

21 export default App;

22

Output

Notes

End Call

+ Invite

yyy

This is a shell.

Build errors and compilation status will appear here.

-----

Execution by yyy finished in 0.57s

Hello

Preparing Machine

Machine Ready

yarn install v1.22.17

[1/4] Resolving packages...

[2/4] Fetching packages...

Installing Modules... -----] 49/1150

[3/4] Linking dependencies...

warning " > react-scripts@5.0.1" has unmet peer dependency "react@>= 16".

warning "react-scripts > eslint-config-react-app > eslint-pl

ugin-flowtype@8.0.3" has unmet peer dependency "@babel/plugi

n-syntax-flow@^7.14.5".

warning "react-scripts > eslint-config-react-app > eslint-pl

ugin-flowtype@8.0.3" has unmet peer dependency "@babel/plugi

n-transform-react-jsx@^7.14.9".

warning "react-scripts > react-dev-utils > fork-ts-checker-w

eback-plugin@6.5.2" has unmet peer dependency "typescript@>

= 4.7".

warning "react-scripts > eslint-config-react-app > @typescri

pt/eslint-plugin > tsutils@3.21.0" has unmet peer dep

endency "typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev

|| >= 3.4.0-dev || >= 3.5.0-dev || >= 3.6.0-dev || >= 3.6.0-

beta || >= 3.7.0-dev || >= 3.7.0-beta".

[-----] 0/1233

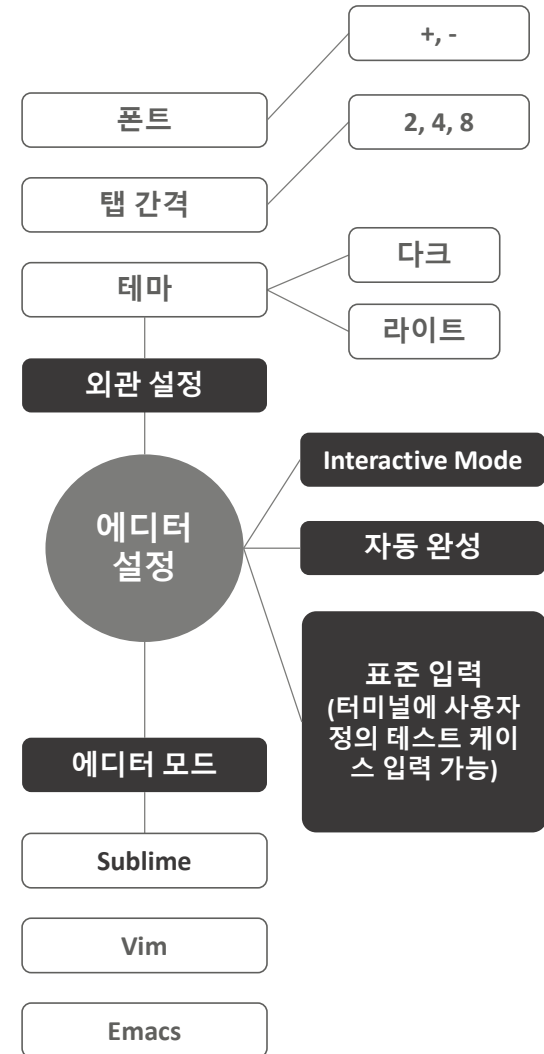
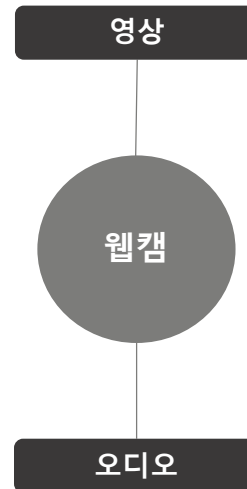
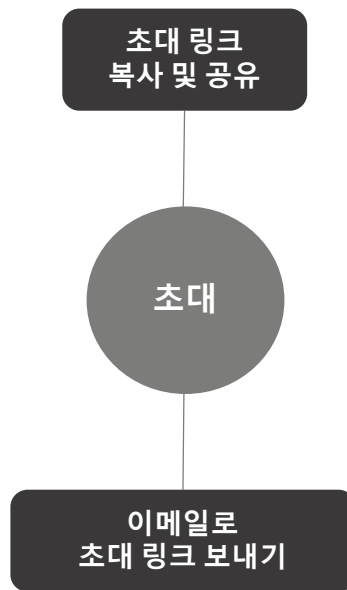
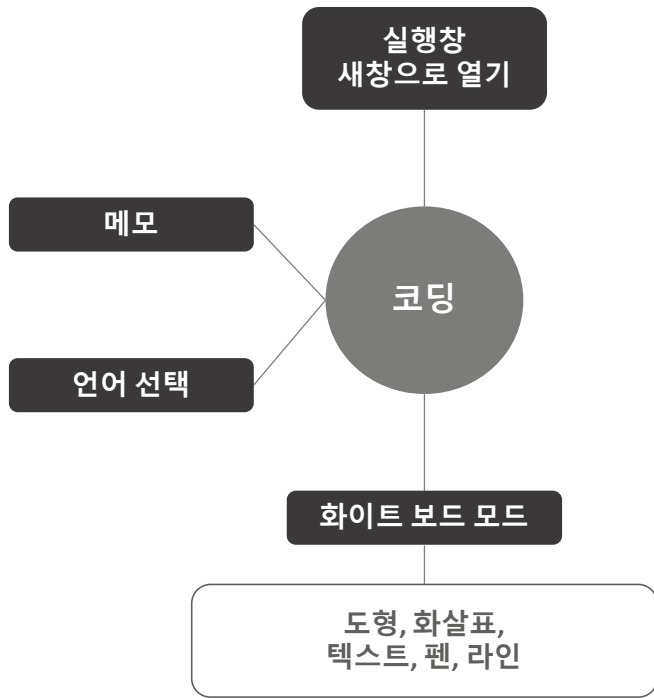
5. Code Interview

Saved

Web

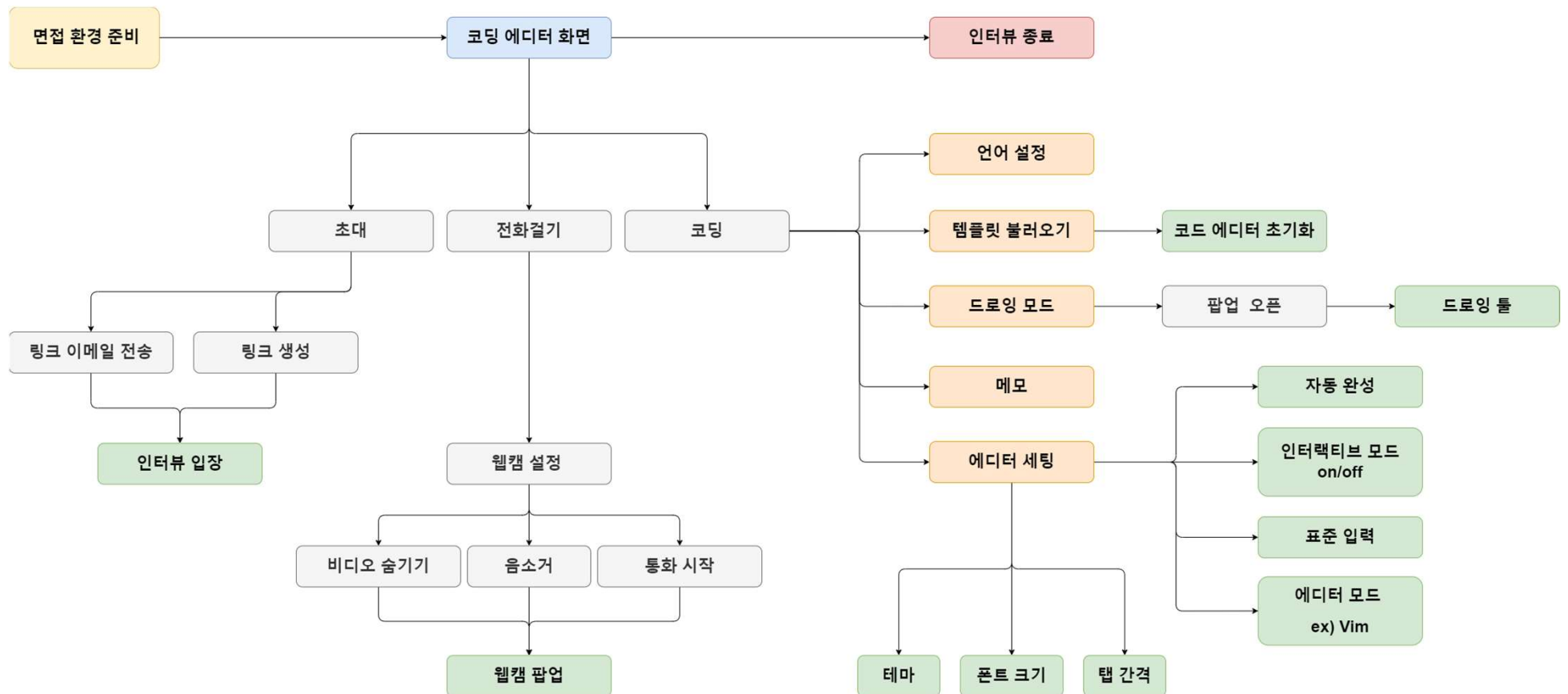
Part5-1

## Code Interview\_인터뷰 화면 기능 분석



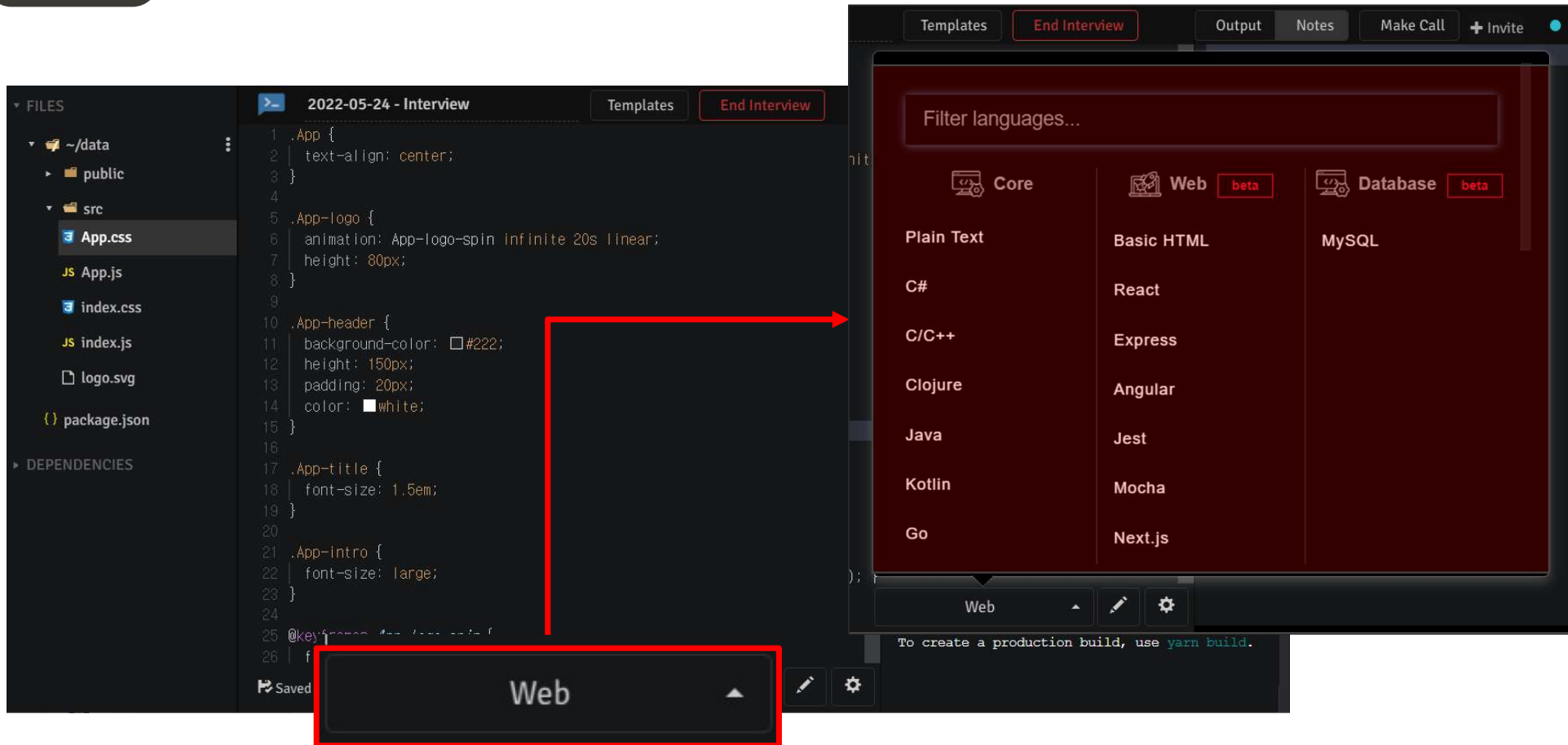
## Part5-2

## Code Interview\_화면 흐름도



## Part 5-3

## Code Interview\_GOOD #1 언어 설정



기술 별로 구분된 언어

This is a 30-minute free session. Sign up to get 5 more free sessions.

Start free trial

Diagram board

</>

</> 1

</> 2

+

C (gcc 5.4.0)

Quick test Output

Run

## Question no. 2

### Numbers and cards

You are given 10 types of cards. Every card has a specific number written on it from 0 to 9. There are  $K$  cards for each number. You have a total of  $10 \cdot K$  cards.

### Task

Select  $N$  cards from the provided  $10 \cdot K$  cards and determine the number of different sets of  $N$  cards that can be generated.

The size of these sets must be  $N$ . If the order of the cards is different in two sets, then these sets are considered equal.

*Note:* Since the output can be large, print output modulo  $(10^9 + 7)$ .

### Example

#### Assumptions

- $K = 1$
- $N = 2$

#### Approach

You have a total of 10 cards each of 0 to 9.

Edit

Remove

```
1 #include<stdio.h>
2 #include<stdbool.h>
3 #include<malloc.h>
4
5 int solve (int N, int K) {
6     // Write your code here
7
8 }
9
10 int main() {
11     int N;
12     scanf("%d", &N);
13     int K;
14     scanf("%d", &K);
15
16     int out_ = solve(N, K);
17     printf("%d", out_);
18 }
```

# 6. Hackerearth

### Sample input

```
1 10 1
```

Interviewer

Audio Video

Notes

Score

Chats

Participants 1

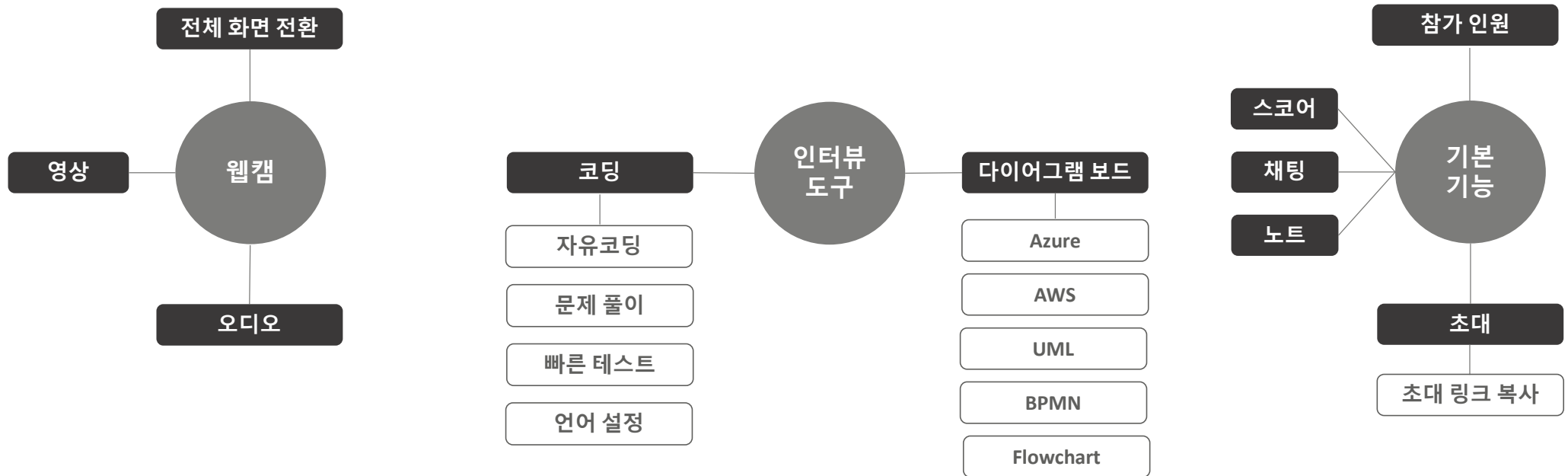
Invite

00:06:29

End interview

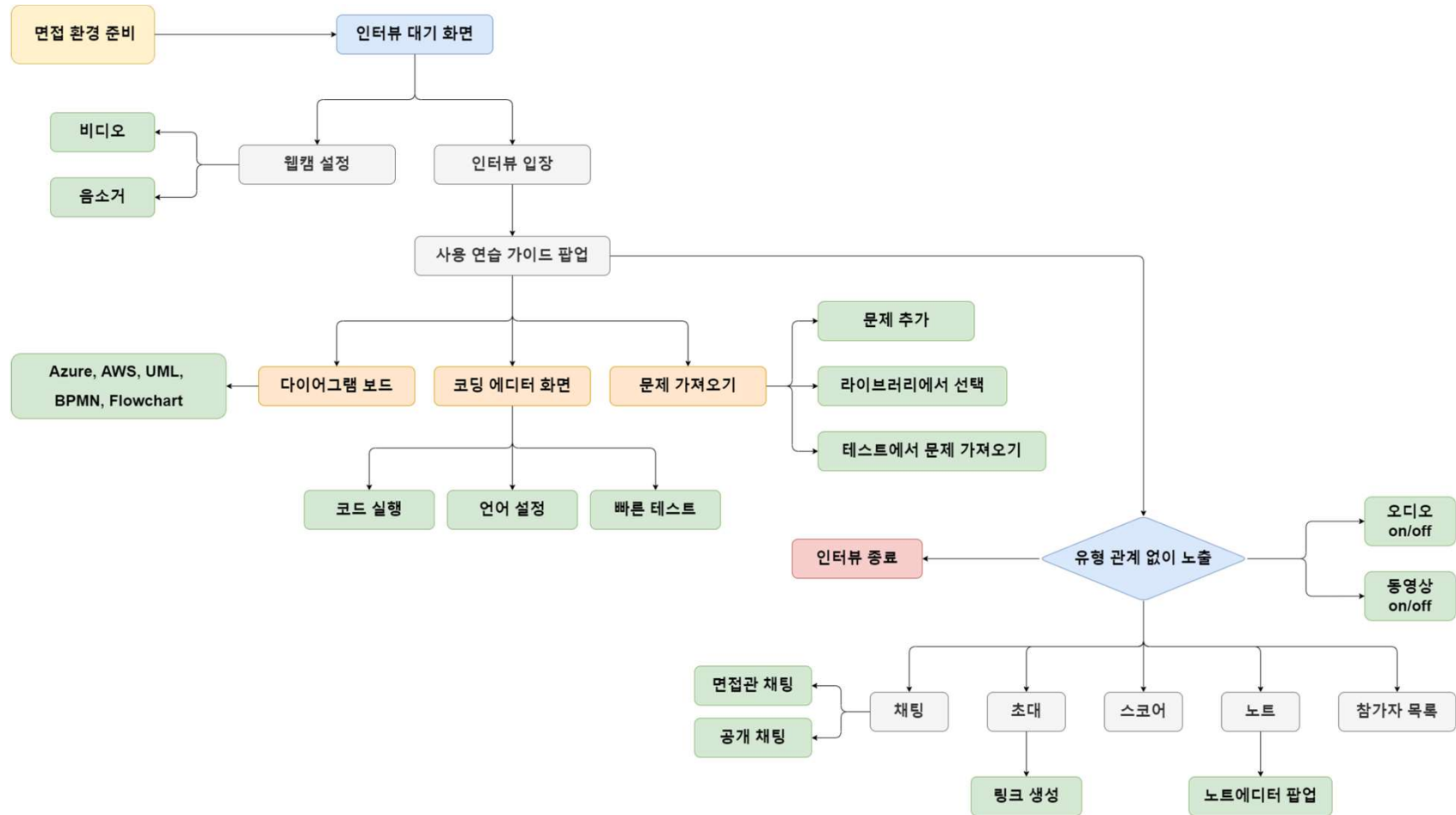
## Part 6-1

# Hackerearth\_인터뷰 화면 기능 분석



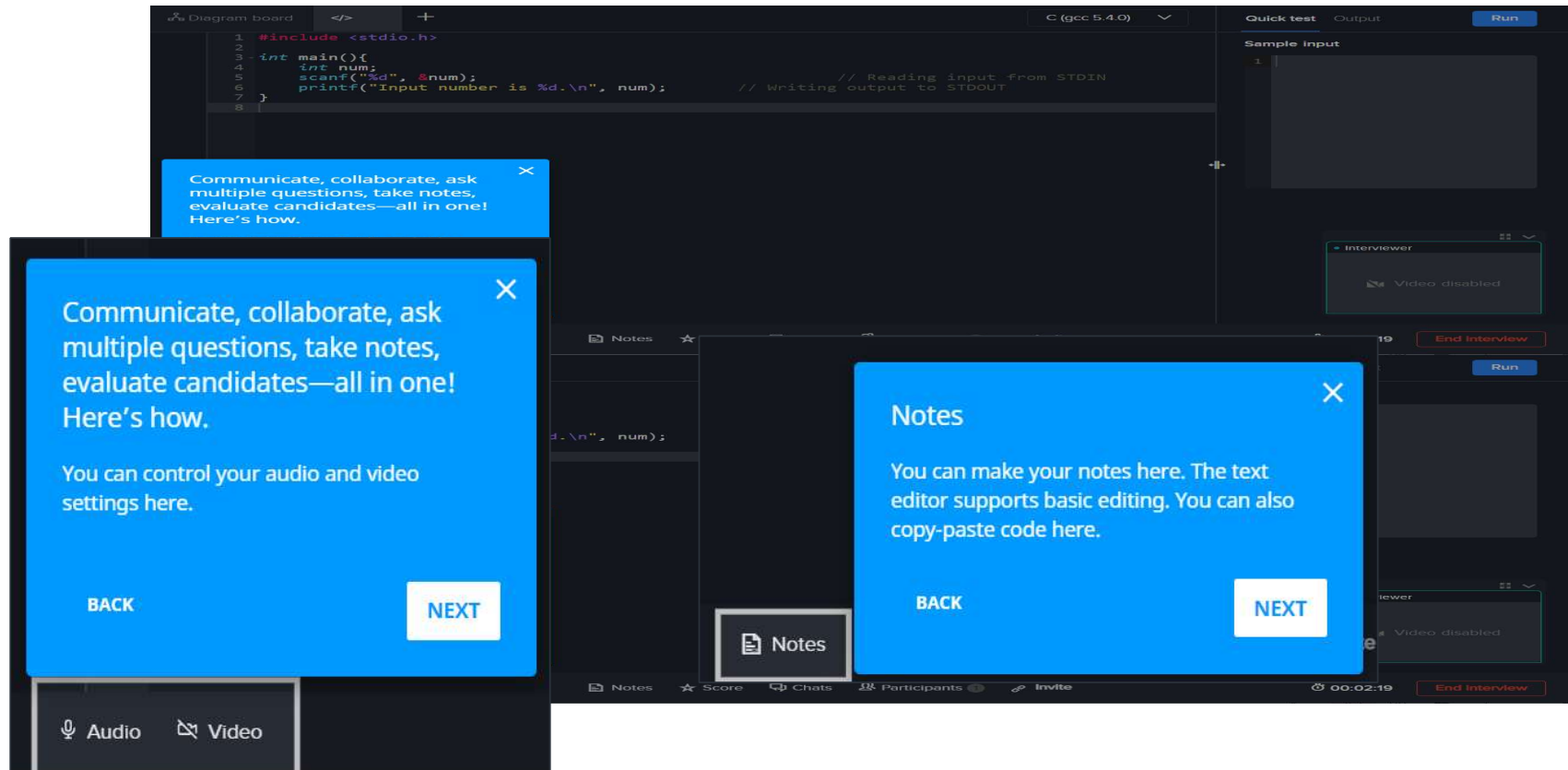
## Part6-2

# Hackerearth\_화면 흐름도



## Part 6-3

# Hackerearth\_GOOD #1 화면 가이드 제공



인터뷰 입장 후 사용법 가이드 라인 팝업 안내



## Part 6-4

## Hackerearth\_GOOD #2 기능 툴바 UI

The screenshot displays the Hackerearth GOOD #2 interface. At the top, there's a header with a 'Diagram board' tab, a code editor icon, and a language selector set to 'C (gcc 5.4.0)'. The code editor contains a C program that reads an integer from STDIN and prints it. To the right of the code editor is an 'Output' panel showing the result: 'Result: Compiled & Run', 'Time(sec): 0.010333', 'Memory(KiB): 2', 'Language: C', and 'Your code's output: Input number is 32767.'.

In the center, a white modal window titled 'Interviewers' is open, showing a list with one entry: 'interviewer (You)'. Below the code editor, there's a toolbar with icons for 'Notes', 'Score', 'Chats', 'Participants' (with a notification bubble), and 'Invite'. At the bottom, a dark red toolbar contains 'Audio' and 'Video' icons on the left, and a timer '00:12:52' and an 'End interview' button on the right.

부가기능이 하단 툴바에 모여있어 깔끔하게 느껴짐  
버튼 클릭 시 모두 미니 팝업으로 오픈



On Call

T

R

Share

End Interview



Task Java 8

Files

- task1
  - solution.java
  - test-input.txt

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

An array A consisting of N integers is given. An equilibrium index of this array is any integer P such that  $0 \leq P < N$  and the sum of elements of lower indices is equal to the sum of elements of higher indices, i.e.

$$A[0] + A[1] + \dots + A[P-1] = A[P+1] + \dots + A[N-2] + A[N-1].$$

Sum of zero elements is assumed to be equal to 0. This can happen if  $P = 0$  or if  $P = N-1$ .

For example, consider the following array A consisting of  $N = 8$  elements:

- $A[0] = -1$
- $A[1] = 3$
- $A[2] = -4$
- $A[3] = 5$
- $A[4] = 1$
- $A[5] = -6$

$P = 1$  is an equilibrium index of this array, because:

$$A[0] = -1 = A[2] + A[3] + A[4] + A[5] + A[6] + A[7]$$

# 7. Codility

You will see save status here

Run Tests

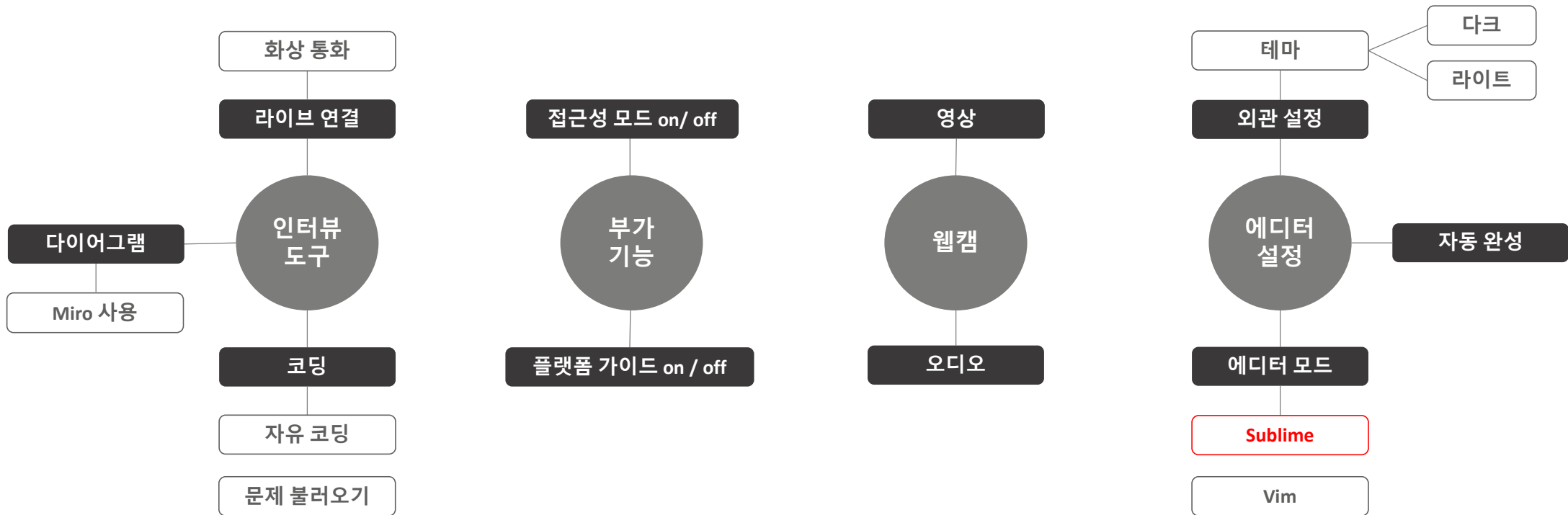


Autocomplete is connected | All changes saved

Any problems with the editor? [Switch to basic editor](#)

Part 7-1

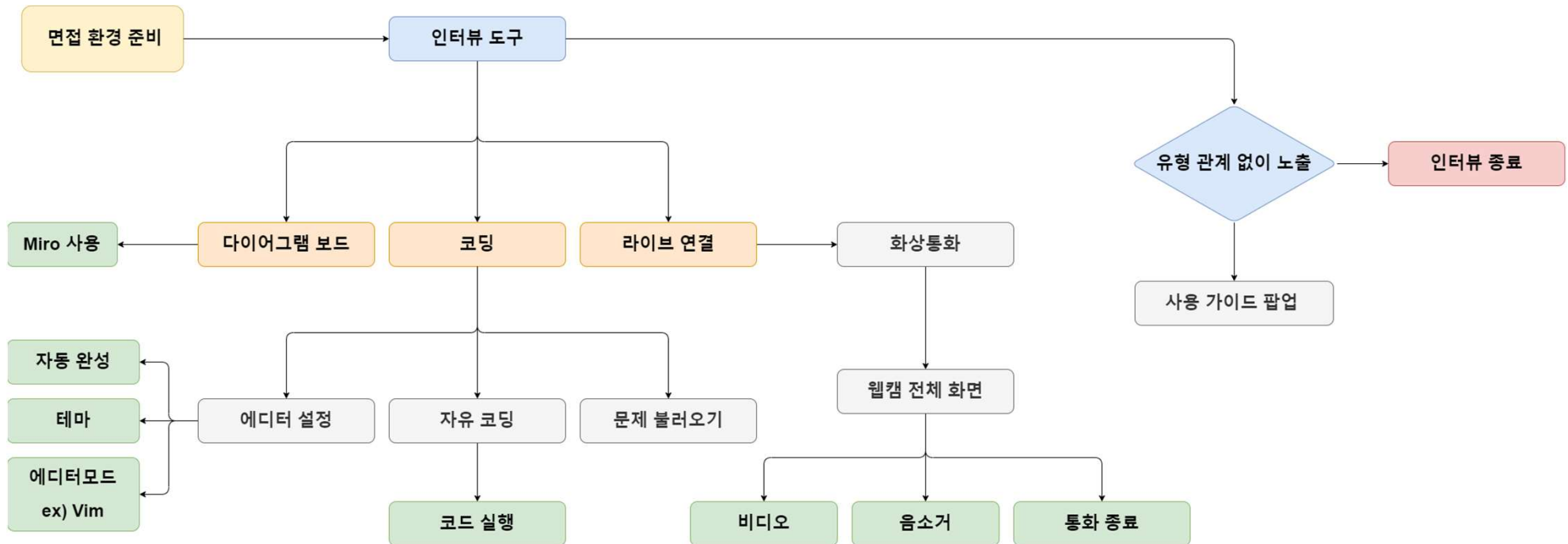
# Codility\_인터뷰 화면 기능 분석



Sublime = 특이사항

## Part 7-2

## Codility\_화면 흐름도



- 공통적인 주요 기능
  - 드로잉 화면 -> miro 연동  
->시스템 디자인을 시각화하기에 편리함
  - 다이어그램 에디터 연동  
-> DB 설계 조직도 등 다양한 상황에 활용 가능한 추가 주요 기능으로 보임
  - Vim, emacs 등 사용자가 자유롭게 코딩 에디터 모드를 변경하여 사용할 수 있음
  - 별도의 도구 없이 영상, 음성, 채팅까지 지원되어 자유로운 면접이 가능해보임
- Coderpad의 면접자 집중시간(Focus Time) 기능은 면접자의 입장에서 필요한 기능으로 보임.

\* 여러가지의 다양한 기능보다도 주로 활용성이 높고 사용자 입장에서 편리해 보이는 중요 기능들 위주로 정리

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감사합니다