Daily Life Challenges:

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# Challenge 1: Opening source code and starting the server repeatedly (JARVIS 1.0)

## Problem Description:

The nature of work of developer is versatile, in other words, one developer/researcher has to on multiple projects. To open the project source code of different project is tedious task, not the case but sometimes we get confused what project directory to open. On another side the deployment of the project (If integrated with IDE then above problem can solve both problems), it is also a boring task to type the same command frequently.

There has to be something to overcome these daily challenges

## Solution:

### Feature 1:

If possible then there is should be a panel to open source and deploy the project (open on browser [any interface] automatically). For the reference see XAMMP panel.

### Feature 2:

If possible then create of logs projects when developer works on that project.

### Technical Solution:

While making standalone application, to configure separate in steps wherein steps help developer to setup the application:

Step 1: Take project directory path

Step 2: Take deploy command and respective path of each project

Step 3: Test if fails and ask again to enter correct path of project directory and project deployment commands with corresponding paths

Step 4: Enter ID (any email id to verify human or bot)

Step 5: show panel

### For the algorithm see the project documentation in DevAssist directory

# Challenge 2: HTML Form creation that is co-related to corresponding table

## Problem Description:

If we create the database schema structure then HTML form has to be made according target database table. According to me, we are doing redundant work here. In the suggestion, there should be a tool that take database table structure and generate HTML for us so that we can make minor changes according to our requirement.

## Solution:

### Feature 1:

Tool on the browser, that takes MY/SQL file and download the machine generated HTML

### Technical Solution:

While making web application:

Step 1: Take MY/SQL file

Step 2: Download the html file

### For the algorithm see the project documentation in SQL2FORM directory

# Challenge 3: Validation testing of HTML form

## Problem Description:

This is a very boring task to validation each field of the form.

Suppose there are more than 10 fields and I want to emptiness of each field of the form then I will invest my more than 20 minutes.

If I test the fields such as, email, mobile, dates, pin-code, etc. I will again invest the time.

These kind of boring task need to be automated to save human processing time, to support this initiative we can start with small automated validation testing tool.

## Solution:

### Feature 1:

Feature 1

# Challenge 4: Automation of TS (due to repetitive activity)

## Problem Description:

Filling TS is one of the biggest boring and unnecessary task, due to this repetitive activity, automate the process if filling TS according to process mentioned below in the solution:

## Solution:

Flow:

1. CSV that keeps data.
2. Use selenium python framework to write the script.
3. Record logs how many are done..