

## Section 1(AGILE)

### Solution 1

we are using agile methodology and a part of the retrospective after the demonstration of the sprint we will going to improve team communication and coordination, faster response from the stack holder, face to face participation of team members

Frustrates me is unproductive call with the stack holders, right stack holder is not present to give explanation for the quires

Inspire me facing team members and quick communication with the team members rather than emails, the good planning of the sprint, selection of the user story as per the capacity of the sprint, one complete working business capable software delivery in just two week time. Getting benefit with the experience people of the team

### Solution 2

when a user story satisfy the acceptance criterion and review by the scrum master and the product owner done the functionality being unit tested integration tested the design document or solution document review by the technical architect scrum master and the product owner

### Solution 4

To develop an API Consumed by my teammates and for several thousands of users i will consider several points before i develop they are as follows

1) **Type of Technology I opt** for because the API I developed must be understandable by my Team Mates and thousands of users for example **JSON** will be the right choice for the **mash up developer** or **SOAP** will be the write solution as it as all WS-Standards for any **Transaction-aware enterprise customers with high expectations on QoS**.

2) **Naming convention** will be my second consideration- Once Technology is decided i should be aware of the industry standards moreover I should check that it should not be similar to other services that provides the same data.

3) **Authorisations**- There are number of authorisation-related standards many API developers uses their own interpretation of them. some of the example OAuth is used by and implemented in different flavours by different vendors. I will make sure to choose that where my end user is accustomed.

4) **Security**- I will check for the type of security provided by me is enough or not for example **(transport-level security) for HTTPS/ssl certificate**.

5) **Versioning** - I should be aware of the different versions as my API evolves adding new features should be compatible with my older version users. **For Example SOAP, it is based on namespace and endpoints.**

6) **Generating Automatic key** - i make sure that if my API require access key. it should be generated automatically and no one should wait.

7) **Documentation** - From developer point of view documentation is an Important aspect, On the home page of an API the developer should **able to Understand my API is used for, should able to Understand the entry Point, Should be able to create account and call the system.**

## **Section 2 (Developer Experience)**

### **Solution 1**

Early Developer experience many problems such getting familiar with the platform, working methodology of the platform, concept related to the platform (such as JAVA, C++, C#), how to start using the platform.

### **Solution 2**

The Good developer Documentation must have good Naming Conventions, Proper snippets where Required, Proper guides to redirect to any other page and Proper Headings. Examples of the Companies for Proper Documentation are redhat, Cisco, Oracle, Microsoft, AWS

### **Solution 3**

The two most effective techniques you would employ to grow our ecosystem are Cloud and digitalization for fast performance using cognitive/rpa .

### **Solution 4**

Rising Languages are in today's world are Python, Ruby on Rails, Swift

Rising Technologies are IOT(Internet of Things), Big Data Analysis, Machine Learning

### Section 3 (Software Development, Design & Architecture)

#### Solution1

To Get familiar with the code base the developer needs documentation, practice with demo codes in ide, trying few scenarios as per code.

#### Solution 2

To Debug my own code I will put breakpoints and run the application and look the code and will inspect the variables/element and for the code with which I am not familiar I will use the ide and debugger and using the breakpoint inspecting the variables more over I will put the print statement so that i can see the output on console and look where I reached in the code.

#### Solution 3

Micro services can be explained as mini acher processes or procedure that over the network communicate with other services to achieve a desired service outcome this is much more in accordance to SOA.

#### Pro for Micro Services

- 1) Failure of single module does not affects the complete application.
- 2) It reduces the dependency for the long term on any single technology
- 3) The most important feature is it make easier for the new developers to understand the functionality.

#### Cons for Micro Services

- 1) Handling multiple database
- 2) Its has Complex Structure
- 3) Testing micro services is complicated

#### Solution 4

If I am blocked working on the new feature first of all i will check my system that everything are appropriate or not secondly i will raise the ticket for being blocked and ask then i will ask my team members to send me the source code and architecture of the new product via mail so that i can look at the code and architecture and understand thoroughly and whenever I get unblocked I can work efficiently and quickly. Moreover i can tell my team member that i had done certain work so that they can also work accordingly.

## Solution 5

Ways to hide elements on Html Page are by using certain attributes such as  
display:none; visibility:hidden; opacity:0; transform: translateX(value);

## Section 4 (General)

### Solution 1

Github

### Solution 2

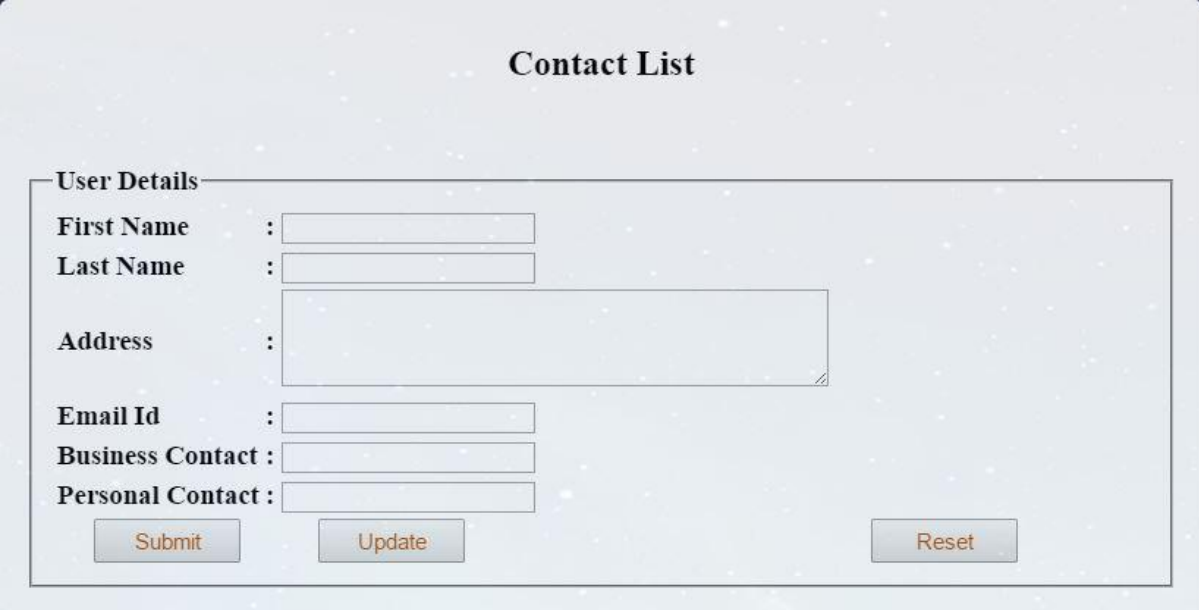
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## Part 2

### Section 1 (Wire Frames)

Contact List Wire frame 1



The wireframe shows a form titled "Contact List". Inside the form, there is a section titled "User Details" which contains several input fields: "First Name", "Last Name", "Address" (a larger text area), "Email Id", "Business Contact", and "Personal Contact". Each field is preceded by a colon. At the bottom of the form, there are three buttons: "Submit", "Update", and "Reset".

Contact List		
<b>User Details</b>		
First Name	:	<input type="text"/>
Last Name	:	<input type="text"/>
Address	:	<input type="text"/>
Email Id	:	<input type="text"/>
Business Contact	:	<input type="text"/>
Personal Contact	:	<input type="text"/>
<input type="button" value="Submit"/> <input type="button" value="Update"/> <input type="button" value="Reset"/>		

Contact List Wire Frame 2

Contacts List

Name	Address	Contact number
Rohit Maheshwari	21 Portland Row Dublin 1	123456789
Aditya Dadhich	21 Portland Row Dublin 1	0892485740
Rajat Dixit	21 Portland Row Dublin 1	09834567823
Amod Pandey	21 Portland Row Dublin 1	89345276854

Edit Clear

Wire Frame 3

Contact list

Id	First Name	Last Name	Gender	date
1760d477-f9d5-0829-b524-3d0d64a3d123	Rohit	Maheswari	Male	17/07/1992
3e69f76c-a2e4-2e11-5305-846d695aa77e	Raj	Malhotra	Male	12/12/1988
11ce00f2-431d-6eb9-5e24-3238e67f8288	Aditya	Dadhich	Male	12/02/1992
f67d2abf-cfa0-8aae-91f7-99279b1d1765	Abhilasha	Dadhich	Female	04/04/1988

Create

Update

Remove

Get all