**Section 4 (System Design & Solution Architecture)**

Here's an overview of the steps involved in integrating two blockchain apps  Sections 2 and 3.

Define the integration points: First, determine the integration points between the blockchain apps and the front-end application. This includes identifying which data needs to be transferred and how it will be used in the front-end application.

Choose the blockchain technology: Select the appropriate blockchain technology that suits the needs of the integration.

Develop APIs: Develop APIs for both the blockchain apps and the front-end application to enable communication between them.

Test APIs: Test the APIs to ensure they are working correctly and transferring the data as expected.

Integrate APIs: Integrate the APIs into the front-end application to enable access to the blockchain data.

Design the front-end: Design the user interface of the front-end application to enable easy access to the blockchain data.

Develop the front-end: Develop the front-end application and incorporate the APIs to enable seamless communication with the blockchain apps.

Test and deploy: Test the integrated solution to ensure it is functioning correctly and deploy it.

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| Blockchain App 1 | | Blockchain App 2 |

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| API 1 | | API 2 |

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| Front-end App | | Front-end App |

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In this design flow diagram, the blockchain apps expose APIs (API 1 and API 2) that the front-end application can use to access blockchain data. The front-end application communicates with the blockchain apps using these APIs, which enables it to retrieve the necessary data and present it to the user in an easy-to-understand format. The front-end application is developed using appropriate front-end tools and frameworks, while the blockchain apps are developed using the blockchain technology of choice. The integrated solution is tested and deployed to ensure that it is functioning correctly.