***Node JS interview task:***

Design a software system for personal accounting and provide basic implementation and testing scenarios.

1. Write an implementation plan about the software system.

The system should include:

* user authentication,
* debit/credit transactions registration
* calculation of person balance per predefined periods.

Describe the system flows from different perspectives in a human readable text as follows:

* user perspective - make a list of user interactions with the system.
* front/back end perspective - make a list of software components that will be implemented, describe shortly their meaning and functionality.
* data models and storage - describe the data model of the system and suggest data storage.
* security - describe details how security will be implemented (JWT, Basic auth, or etc.).
* infrastructure - list infrastructure resources that will be needed for that system.
* testing - test case scenarios (coverage) that will confirm that system is working properly.

The expected result is a clear vision what should be implemented and how plus infrastructure resources needed and testing scenarios following security standards.

2. Using Node.js implement at least one vertical of software components. An example for a vertical is working Login Form UI, Login Controller, Users database/table.

3. Write automation tests for the implemented vertical.

4. Integration tests - implement some integration tests using Postman or other tool, or technology. (Optional)

5. Document the solution - using the above list of completed tasks document what packages are implemented, endpoints, requests/responses, etc.

For illustrating user interactions, system components and flows, tools like draw.io or others can be used.