

Insiten Coding Challenge Report

Objective: A company is looking to achieve inorganic growth through acquisitions. They have asked us to develop an online tool to track and analyze potential target companies.

Tools and framework: Angular 6, Bootstrap, Visual Studio Code

Mock data: Considered Google as a primary Company and its acquisitions for comparison. Referred online blogs and Research papers to collect parameters. All numbers used are unreal and assumed to be as a present-day situation.

Features Built:

1. **View a list of targets**
2. Search the list of targets
3. **View the details or information of each target (address)**
4. **View the status and financial performance of each target**
5. Able to download copy of financial performance
6. **Create new targets and add them to the list**
7. **Edit the target information (status, address, financial performance)**
8. **View list of key contacts**
9. Add or delete contacts
10. Archive targets
11. **Delete each target**
12. Navigation bar to navigate to statistics and archived targets page
13. Statistics page and archived pages built as a proposed idea for expanding the application

Thought Process

Initial thoughts: I wanted to build an application or tool that has a professional look and feel and is responsive enough to use on phone, tablets, desktops and large screens.

Color Scheme: Decided to use colors present in Insiten Company's Logo

Angular Concepts Used:

- @Input and @Output directives (Component Communication)
- Services (Component communication and for http requests)
- Http Service (For all the CRUD operations)
- Routing (For Navigation menu functionality)
- Angular-in-memory-web-api (To store mock data in a JSON format)
- Template Driven Forms
- Modal box or dialogs (To create new targets)

Working sections of the application:

- Navigation menu works well, by navigating to corresponding pages with the help of Angular Routing concepts.
- Search bar for the list items prompts the right Company
- List of target Companies and corresponding information and financial performance is displayed
- Company Information and financial performance can be edited and updated
- Create or Add new company to the list with corresponding information
- Contacts section is displayed.
- Add and delete contacts to and from the list
- Delete the Company Information
- Archive Companies if data is no more needed for comparison but needed for future use.

Proposed Ideas and not working fully:

- Same Contacts are displayed for all companies; however, it is possible to display based on each company by just nesting the data with in the JSON object. The idea was to enable more functionalities (CRUD operations) to contacts section so passing ids and working on it could not be accommodated in the schedule.
- Statistics page is a proposed idea. Graphical representations are always easier to compare. Currently it just shows an image taken from google
- Archive page is a proposed idea. The Company on archiving is passed to this page; however, the pdf files are not ready for download
- All PDF downloads are just for showcasing the thought flow and the ideas for implementation

Thank you for the opportunity

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