Context architecture design of Groww chatbot for investors

- Queries are categorized as under appropriate "Category Node(s)".
- Each category node contains information of child nodes and has a list of faqs attached at the end of a path
- N-ary tree design is implemented for Category design
- Each POJO in the backend links to various categories when displaying different FAQs as per requested from frontend
- Any contextual chatbot generic idea can reuse this feature hence increases extensibility and is pluggable
- Context management or context decisions for appropriate API calls managed on the frontend side (illustrations already provided).
- API calls then takes specific context data and uses the Category tree to select appropriate and closest possible nodes.
- All the FAQs are fetched underneath a selected node.
- Filling of data - Level Order traversal.
- Linking/Fetching of FAQs - Breadth First Search (BFS).

Category tree:-
https://drive.google.com/file/d/1K4HpJ2e1-SQMplDmlJtAIws8fhOpxu36/view?usp=sharing

Category tree node details -
https://drive.google.com/file/d/1j6Ptab-RUNqUM_DpXaIn1t8LN4WbidkH/view?usp=sharing