Contact Application

**Abstract:**

With this application, a user can create a contact which consist the first name, middle name, last name, mobile number, email, company name. Additionally, user can add the extra details are location, multiple mobile numbers, multiple emails. Whenever user want, he can call or message to a particular contact, user can check the top 10 contact list, call history, user can search the particular contact or message among them. Also, user can edit, update or delete a particular contact

**Architecture:**

Contact structure has all the required member details. Initially will use the local disk to store all the information are contact list, messages, call history in a json file

**Modules Explanation:**

Contact:

It is a structure which has all the members that we need to get from the user

Call:

Used to call any particular contact from the contact list

Message:

Used to message any particular contact from the contact list

Edit:

Used to edit any contact from the available contact list

Delete:

Used to delete any contact from the available contact list

CreateContact:

Will take input from the user and will marshal json format and will write into contact.json

SearchContact:

Will take the contact name from the user and will search by read the contact.json file as reference

SendMessage:

Will take the contact’s name and message from the user and will send to that message to that particular user and will update into the message.json file as a history

SearchMessage:

Will take the message as argument from the user and will search by read the message.json file as reference

CallContact:

Will take the contact’s name from the user and will invoke Call interface and will update history.json file as a history

GetTop10Contact:

Will read the contact.json and will list the top 10 based on alphabetics order

GetCallHistory:

Will read the history.json and will display