

NTU Project Accelerator Bot



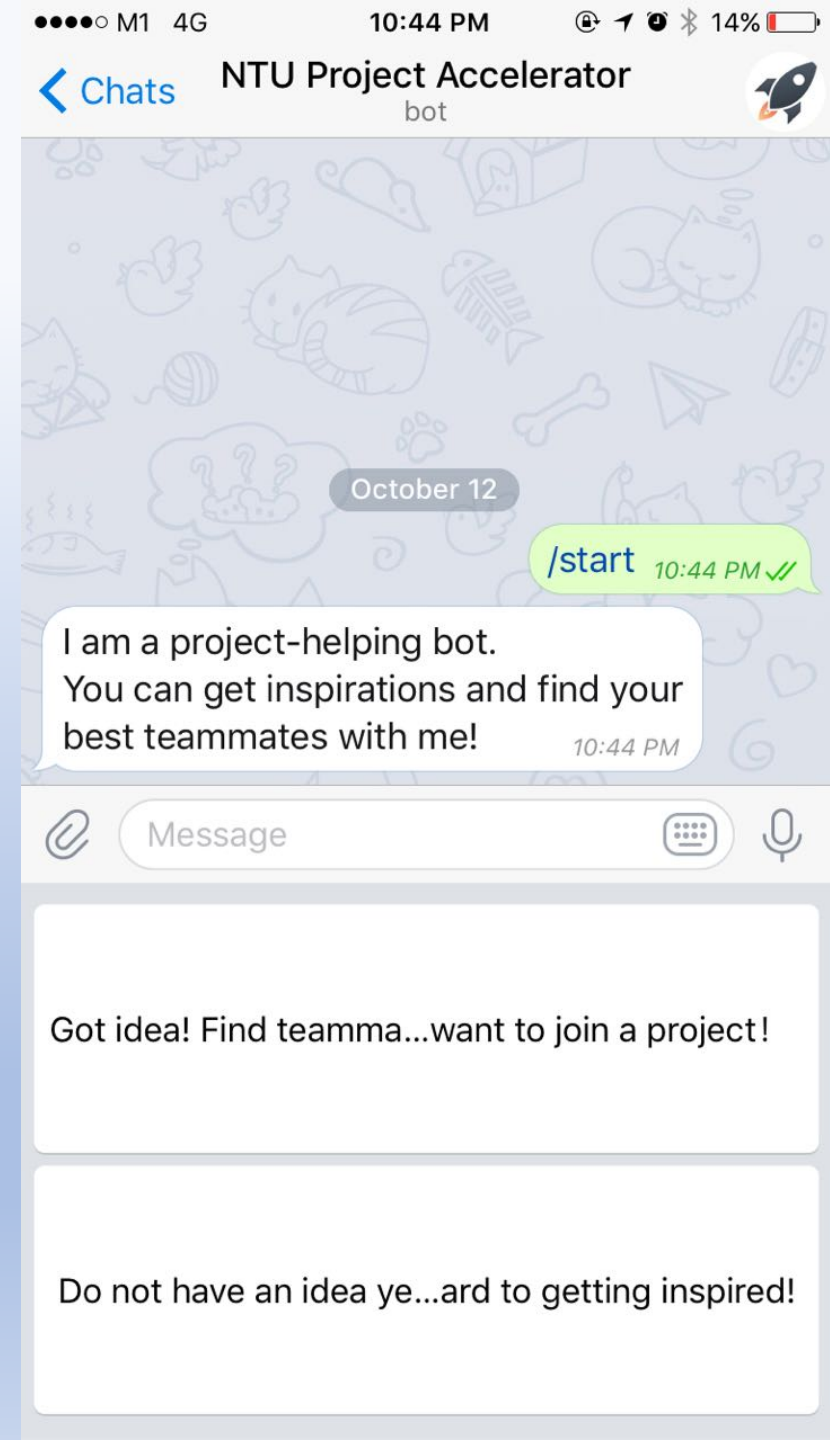
Designers: Ma Xiao, Li Guanlong, Lim Yaoxiong,
Han Simeng and Deng Zichao.

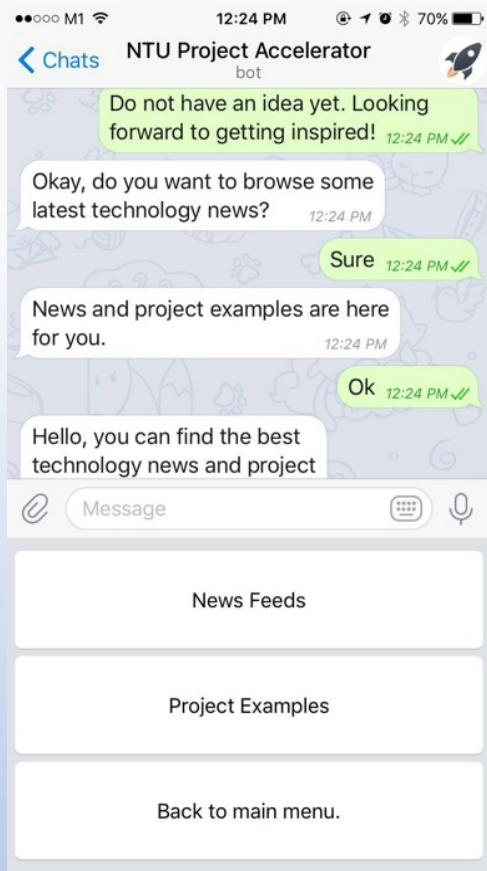
Our bot can be divided into two main parts: the technology news and project examples part; the finding project teammates part.

After clicking on start, the bot tells you its function.

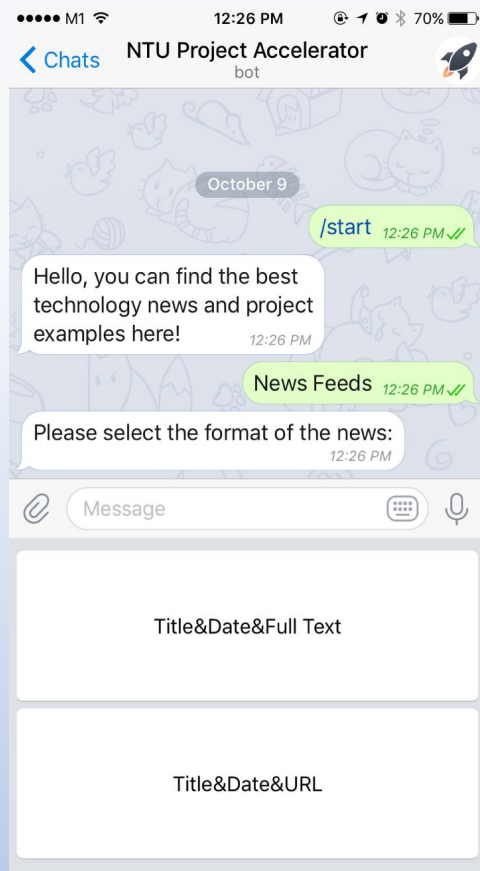
The first function: Whether you already have a brilliant idea in mind or not, it helps you find partners as long as you want to do a project. Click on the “Got idea!...” button to get started!

The second function: If you do not have an idea and want to get some inspirations, click on the “Do not have an idea yet...” button.

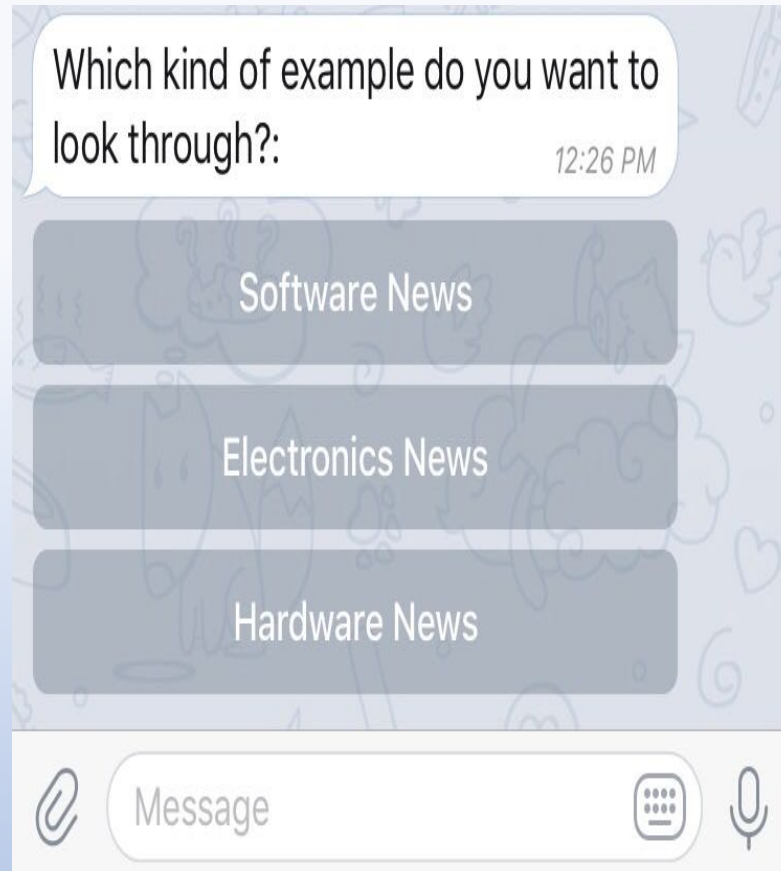




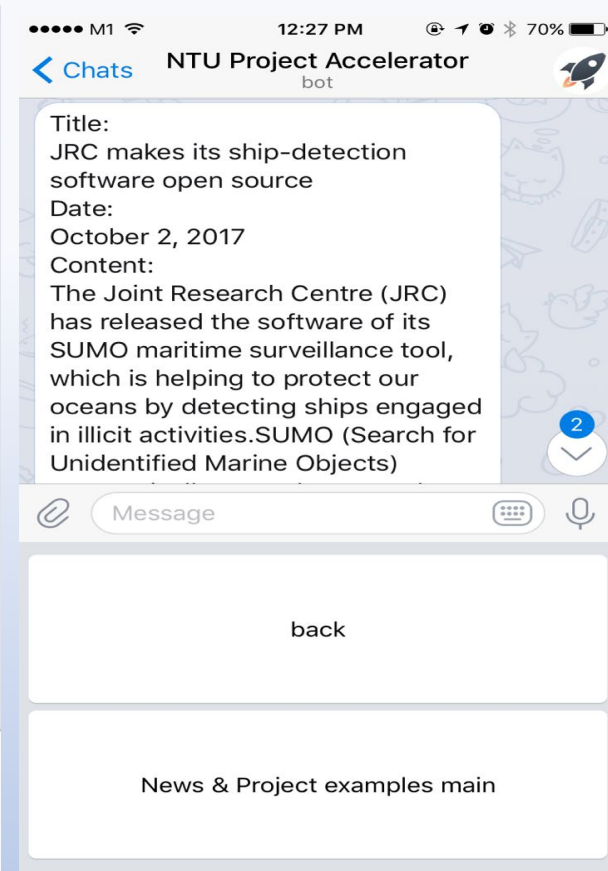
Our bot can prompt three categories of technology news: software news, electronics news and hardware news for users to select.



Each news can be displayed in two formats for users to choose: title + URL and title + date + full news text.



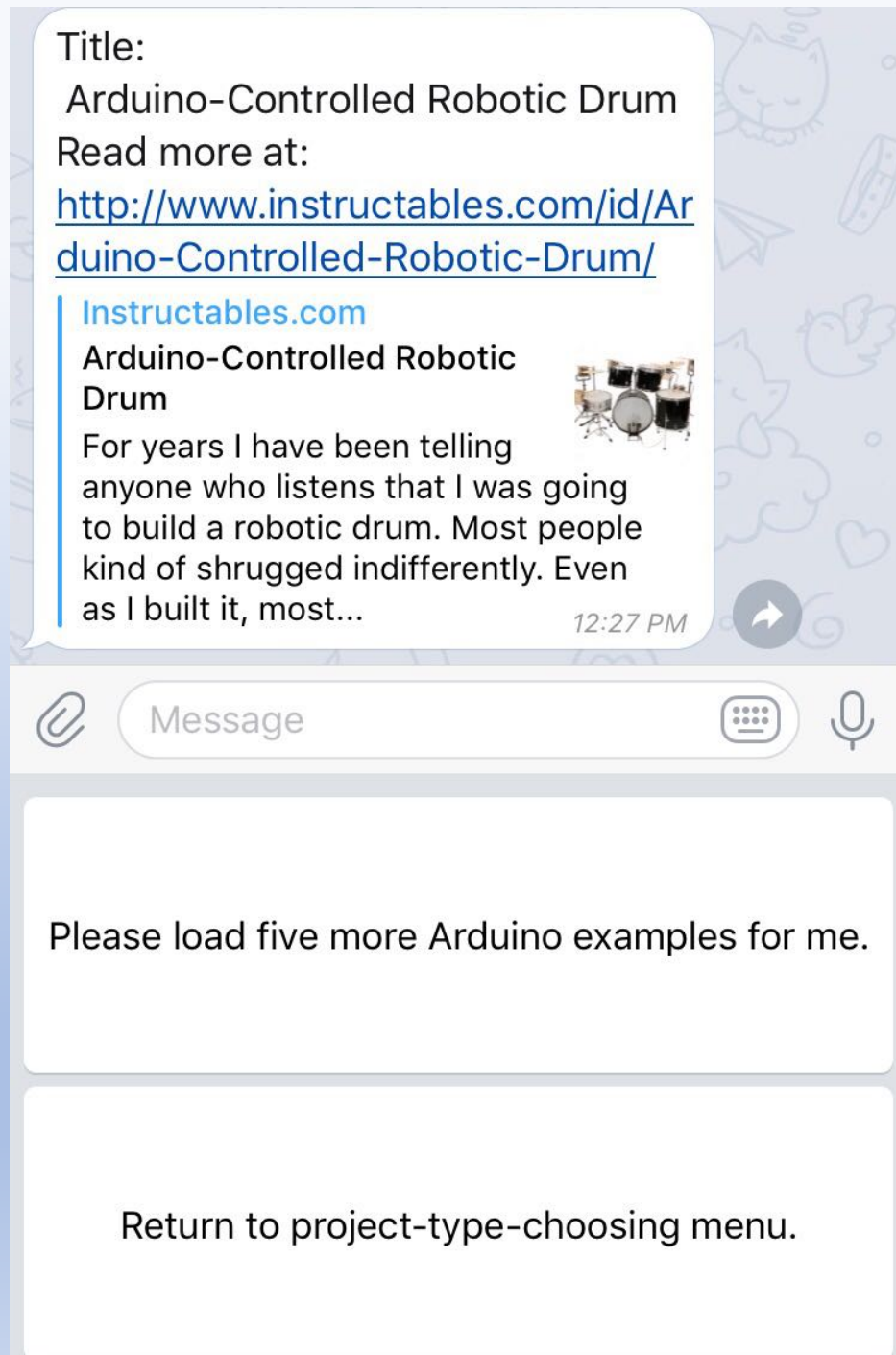
Then the user will be asked to choose the kind of news they want to look through.



The technology news can be promoted one piece at a time and there are five pieces in total.

- What's more, our bot can also recommend some already proposed project examples for users to get inspire. There are two main categories of project examples: Raspberry-Pi project examples and Arduino project examples for users to select, which are really popular topics in the area of electronics hardware industry.

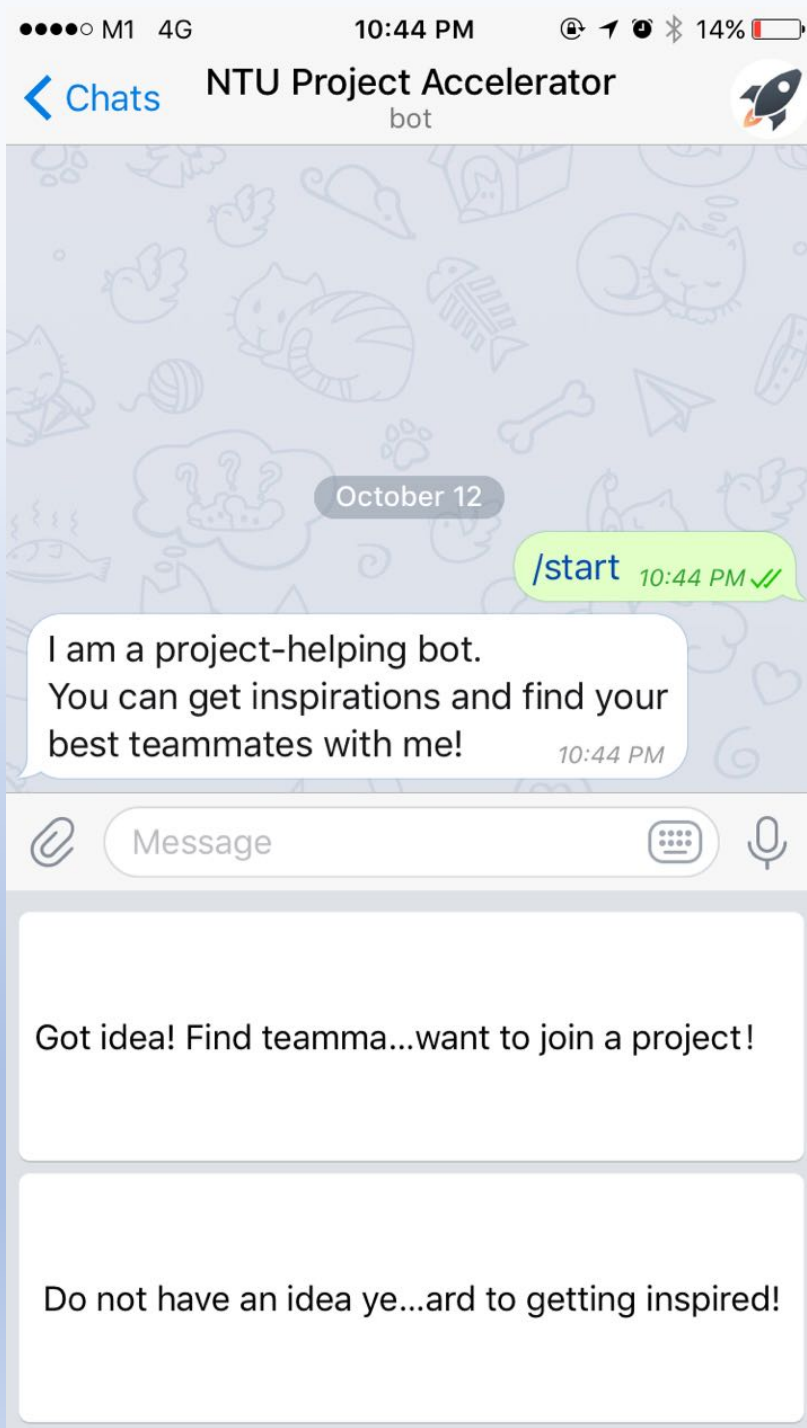




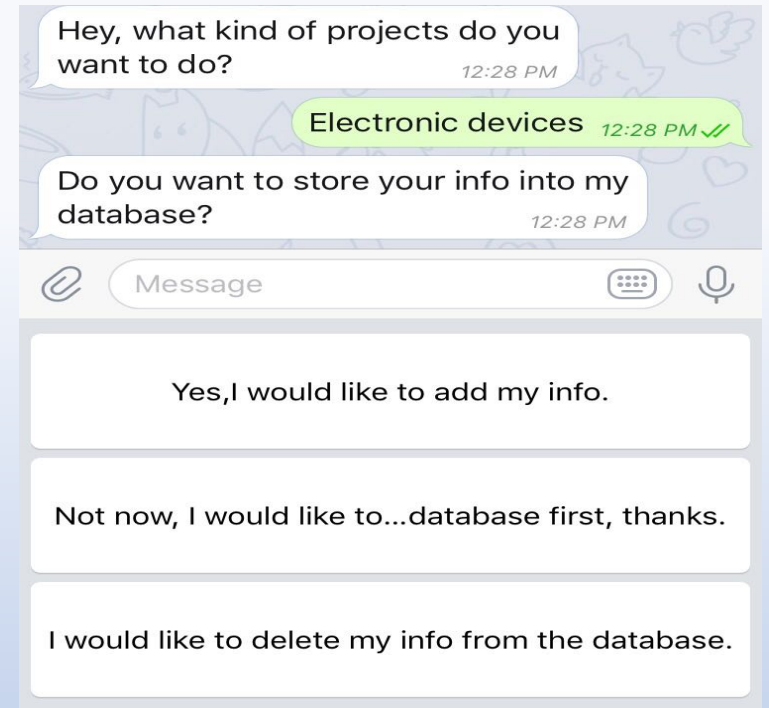
Similarly, these project examples are prompted one piece at a time and there are five pieces in total.

Then the users can choose to view five more examples.

After all the examples in the website are displayed, the users can choose to return to the project-type-choosing menu

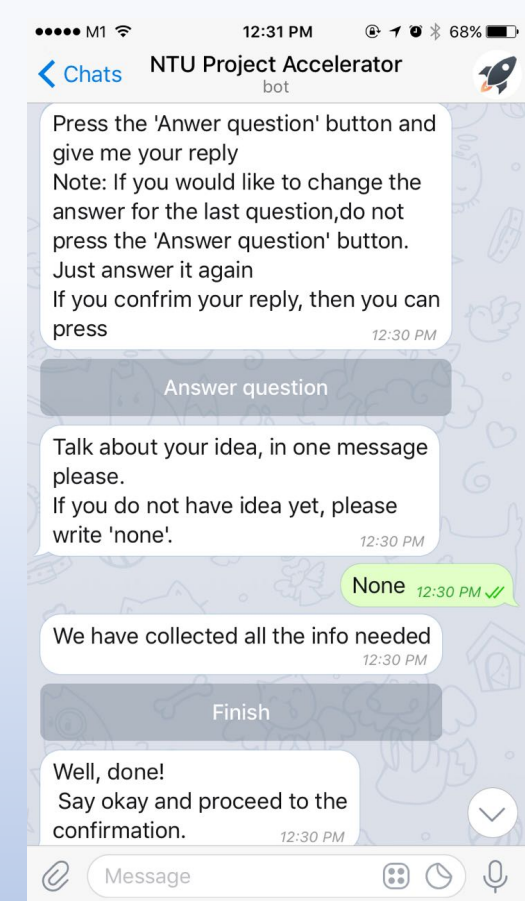
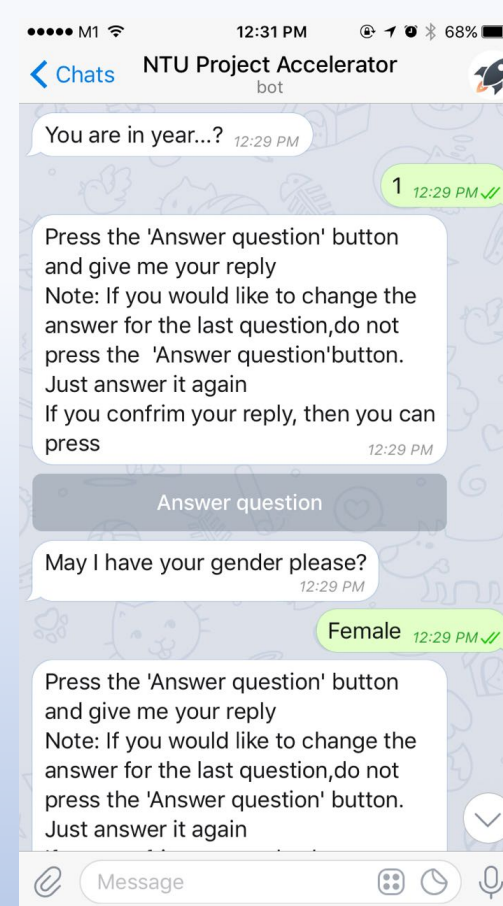
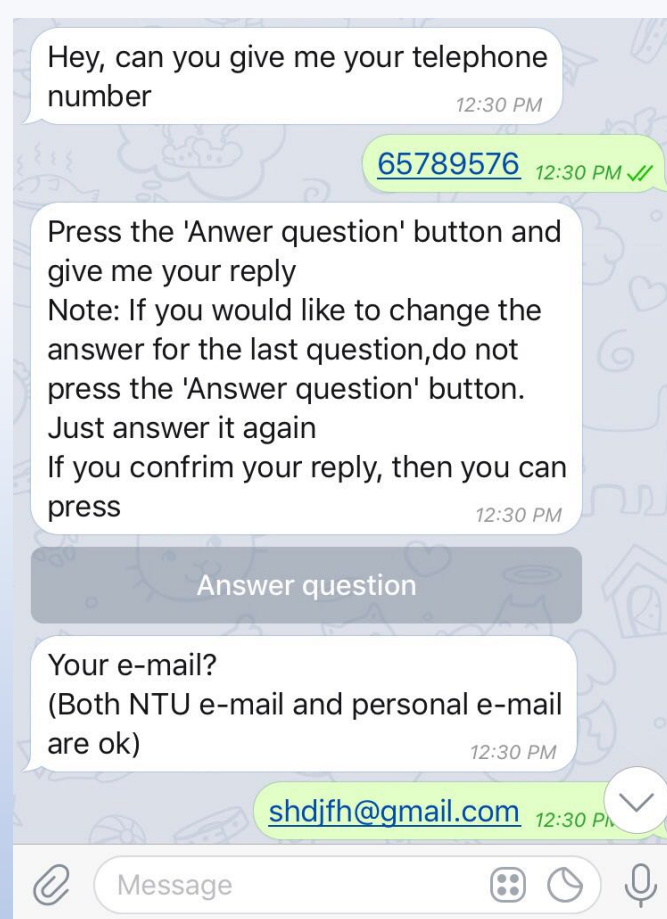
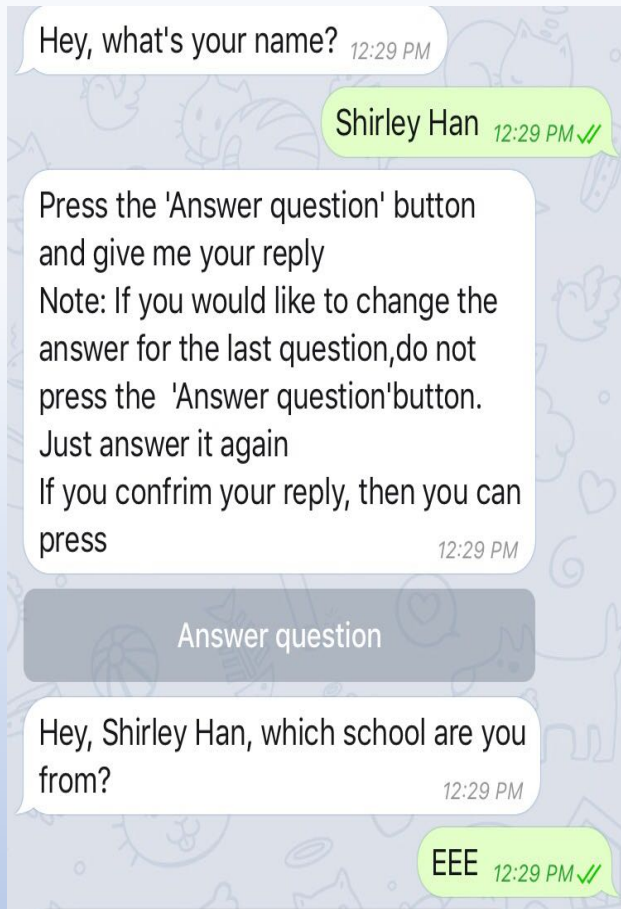


To use the “find project teammates” function, click on the button “Got idea! Find teammate! / Do not have an idea, but want to join a project!”.



Our bot will firstly query what kind of project the users would like to do. The users can choose from three categories: electronic devices, computer software and robots Accordingly, our bot provides three main databases: electronic devices, computer software and robots. Each database is related to the kind of project the users would like to do.

Then our bot will ask the users whether the users would like to store some of personal information to the databases, which are accessible by everyone. Just click “Yes, I would like to add my info” to get started.



Then the users can type in some of their basic information including: project category, name, school, study year, sex, contact number, email, and project idea step by step and add the information to the databases.

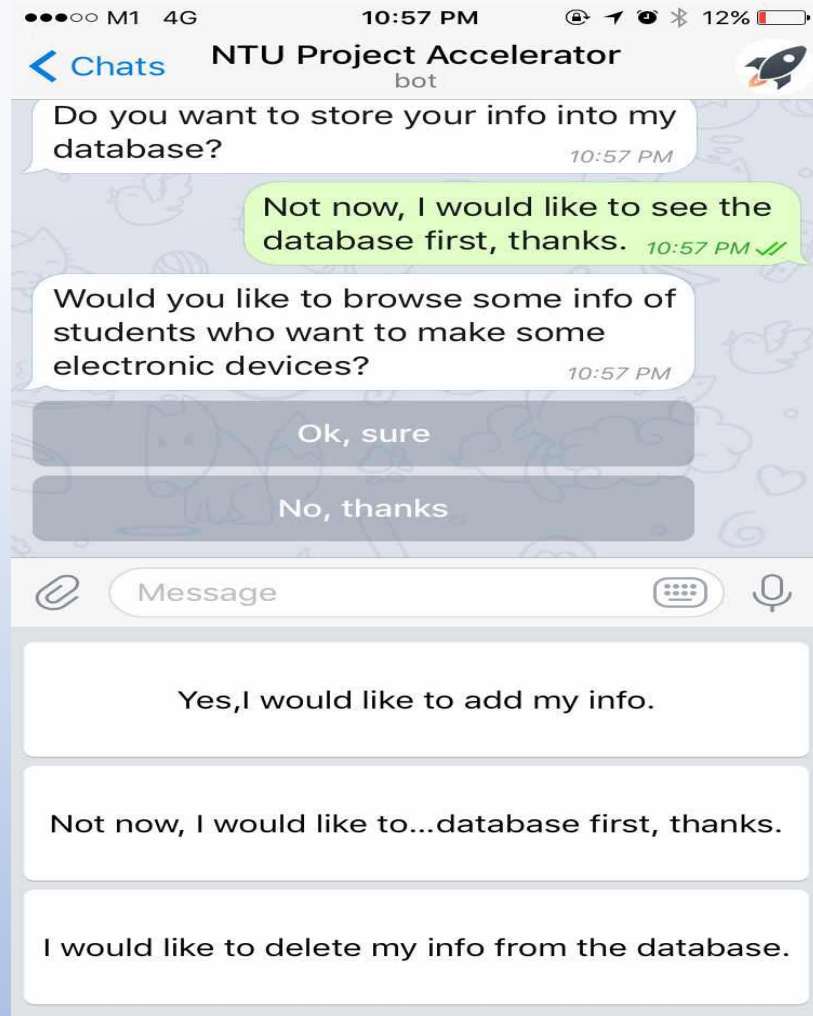
The users can edit a certain piece of information many times when adding it before confirmation.



Finally the bot asks you to confirm your information.

In order to protect the databases from being abused by the users, we have developed an algorithm to make sure that each user can only add one set of information in each database.





If the users would like to look through databases and look for a few interesting projects to join. Just click “Not now, I would like to see the database first, thanks.”.



If the users would like to delete their information from the databases after finding teammates successfully. Just click “I would like to delete my info from the database”.

- All the technology news and project examples are found and extracted real-time from the Internet by BeautifulSoup4 functions.
- The operations related to the databases are achieved by handling the csv files.

That's all! Thank You!

All the best to your project!

