

Book Bot Project

Group 7

Let's Remember the Book Bot Project

- Book Bot is a **chat bot**, reachable via **Telegram**.
- Book Bot uses **natural language** to communicate with users.
- Book Bot can **find you books** you search for.
- Book Bot allows you to **rate and comment on** books.
- Book Bot can **recommend** you books.



The Milestones

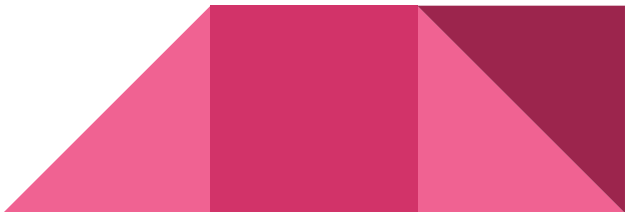
Milestone 1

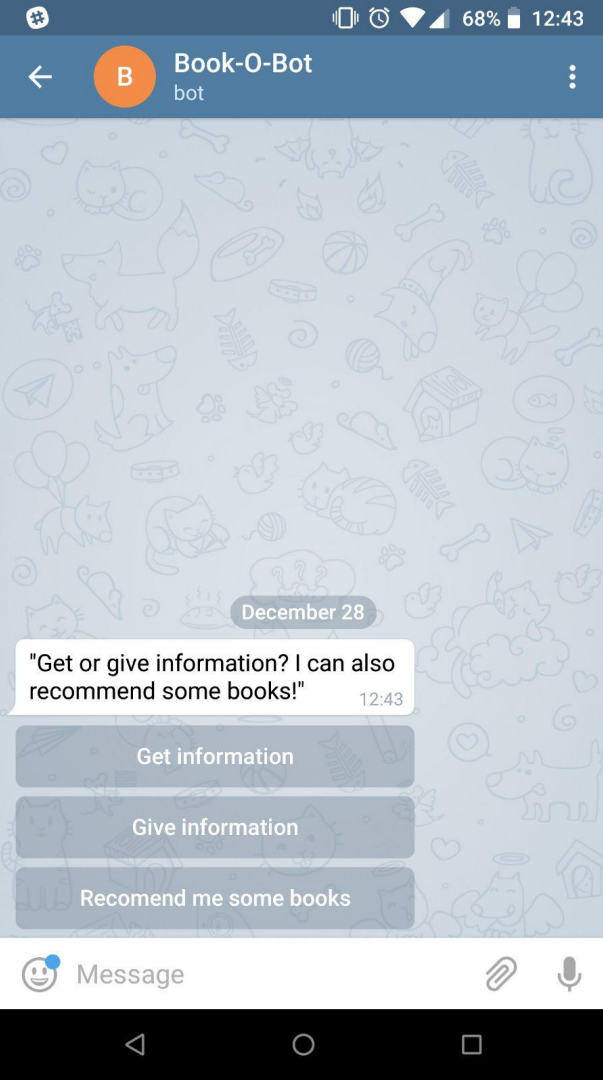
- Getting information
- Search for books
- Conversation Tree
- Telegram
- Wit Ai
- Goodreads

Milestone 2

- Giving information
- Commenting
- Rating
- Telegram
- Wit Ai
- Goodreads

Final Milestone

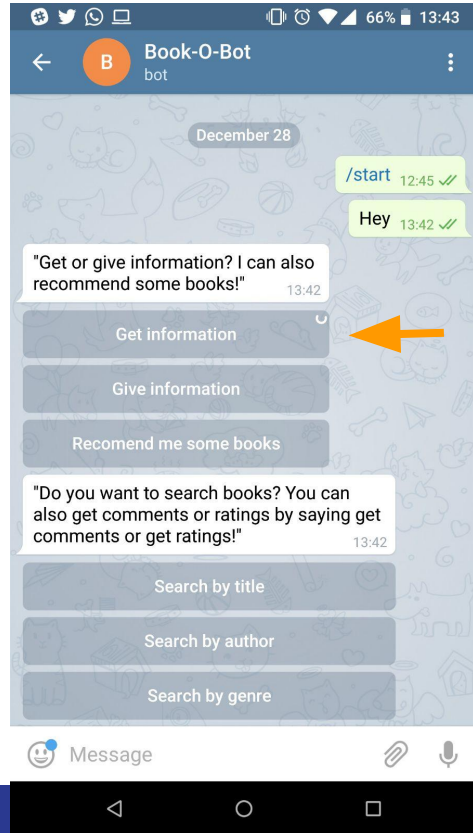
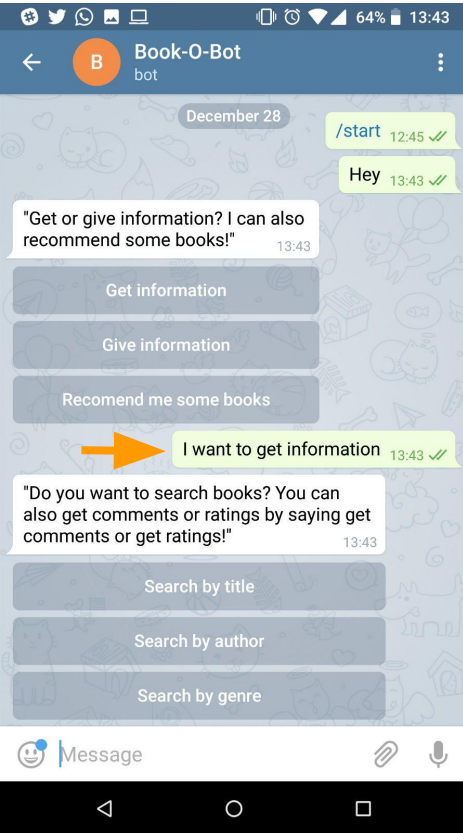
- Recommendation
 - Search by Author
 - Search by Title
 - Search by Genre
 - Telegram
 - Wit Ai
 - Goodreads
- 



Starting the Conversation

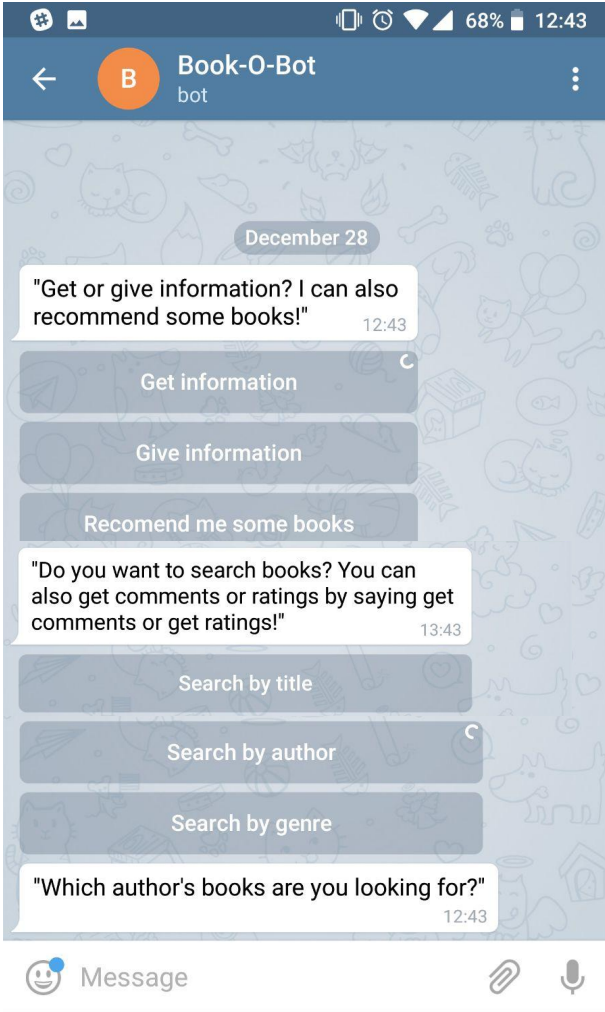
- Upon starting conversation, Book Bot tells you what it is capable of!
- If the user is a new user, we add the user to our user database.
- Notice the buttons
 - They are useful for frequent users
 - They do not block the natural language communication

Getting Information: Natural Language or Buttons



Its user's choice!



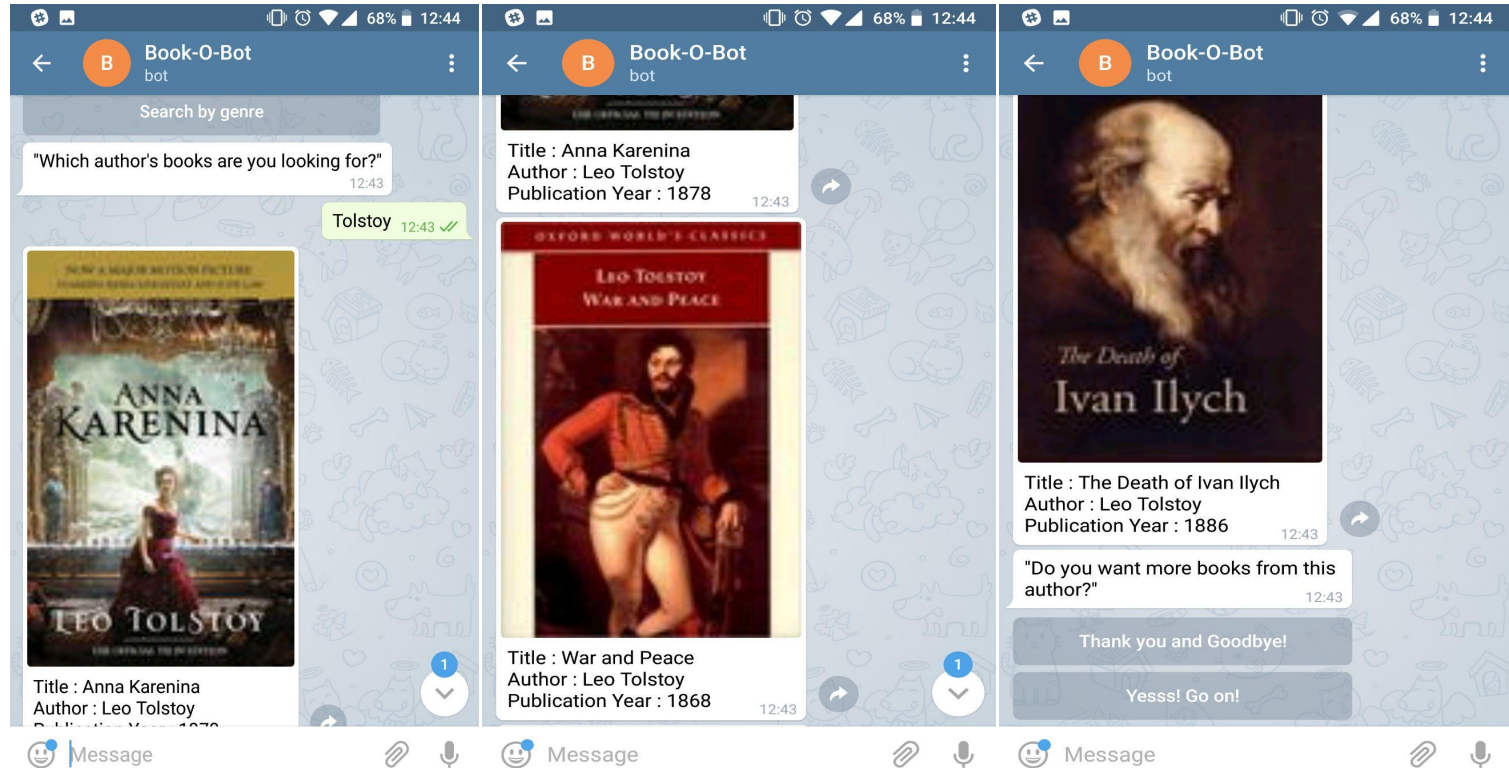


Using “Search by” abilities

- Goodreads API skills on fire!
- We can search books by giving keywords for title.
- Or we can search books by authors
- Or we can search books by genre
- You can always use natural language! Try;
 - “Search by genre”
 - “Search by author”
 - “Search by title”

Search by example: Author

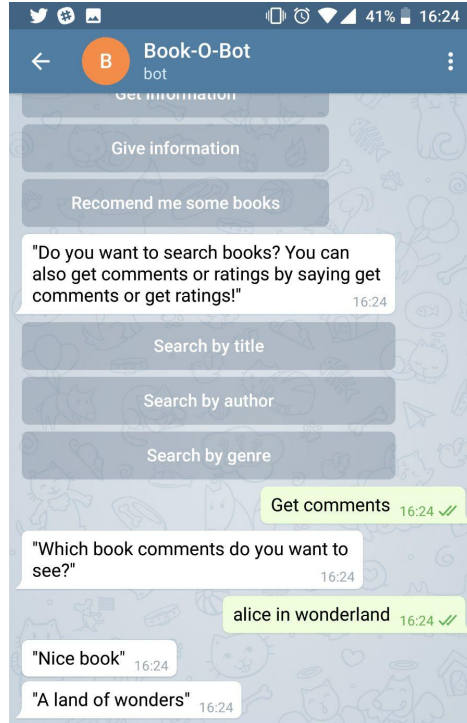
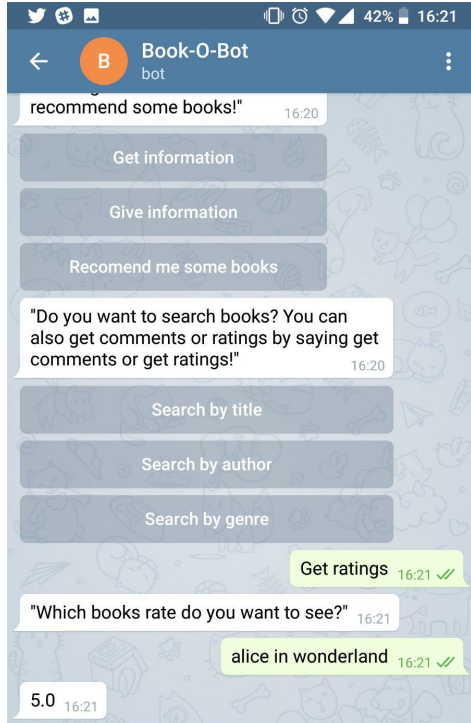
We return the best 3 books by popularity. If you want more, we return 5 more books.

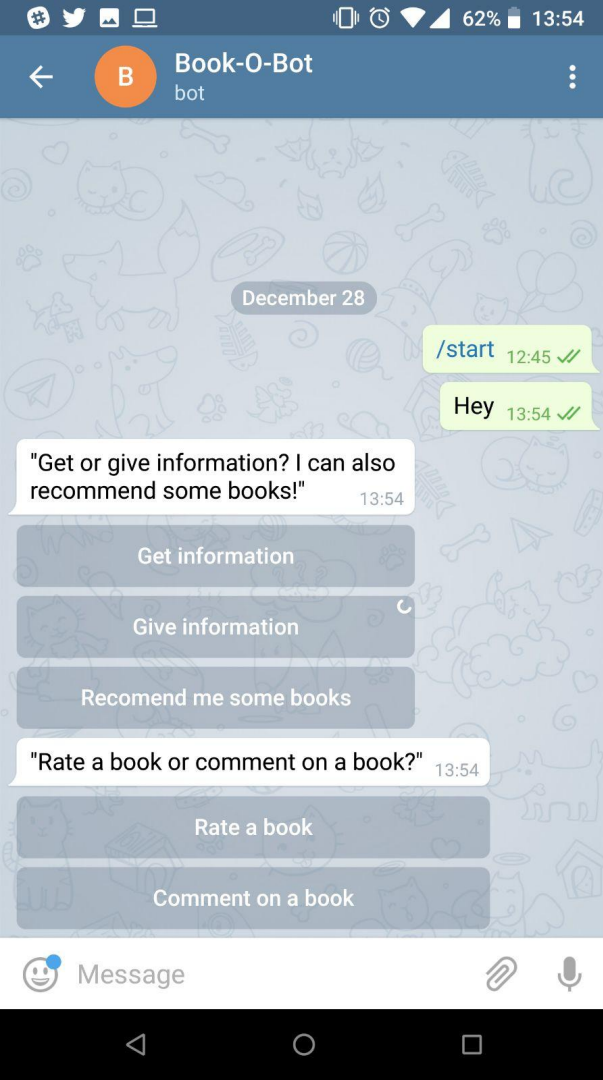


Using feedback abilities

User can see the feedback on the books.

- User can get the existing comments
- User can get the average rating

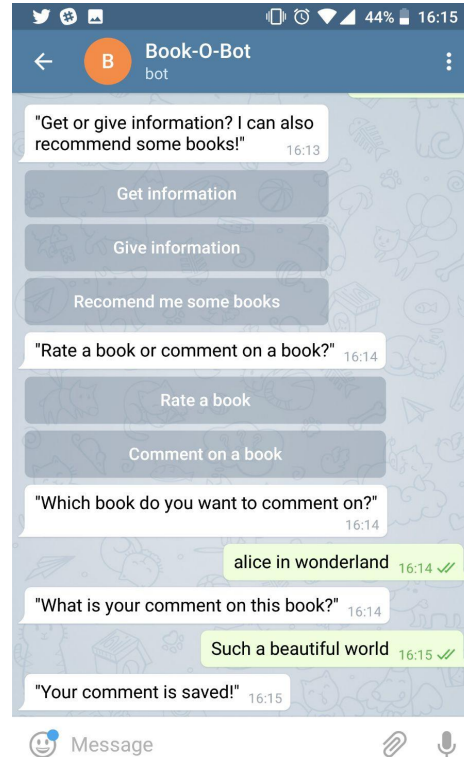


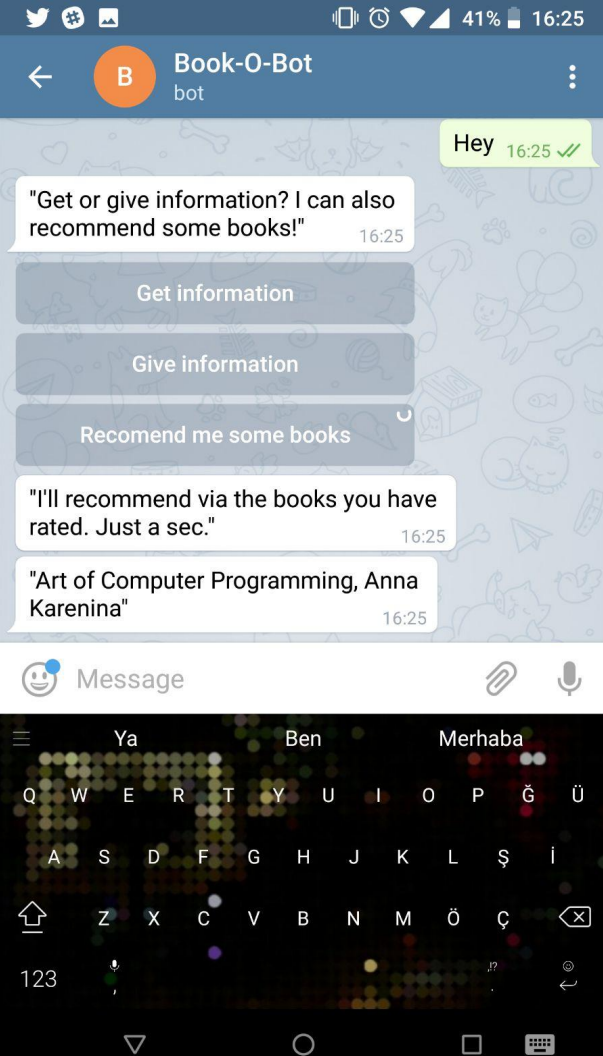


Giving Information: Ratings and Comments

- Users can give feedback on the books they have read.
- Feedback can be a rating from 1 to 5
- Feedback can be a comment on the book

Giving Ratings and Comments





Recommendation

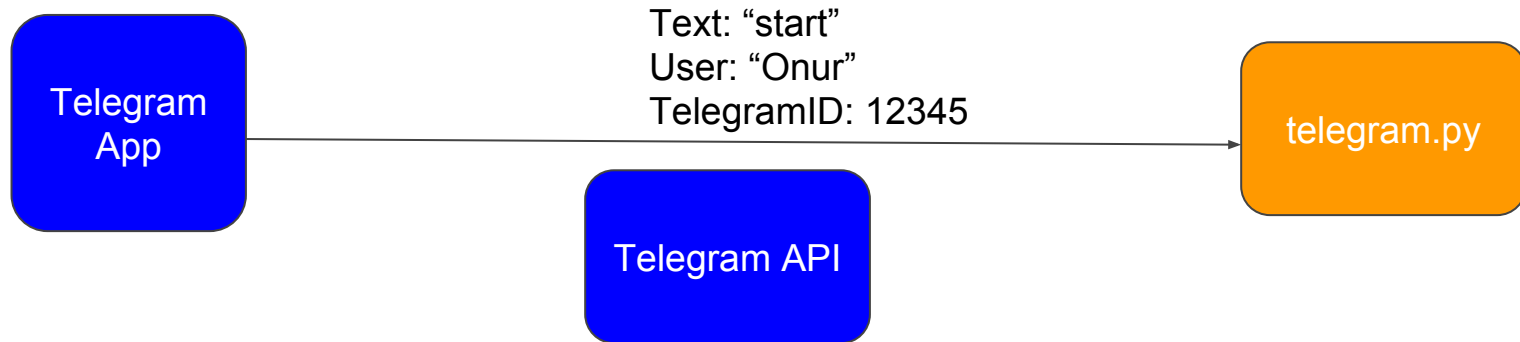
- Recommendation logic uses similarity vectors between users.
- It gets better with more user data

General Flow

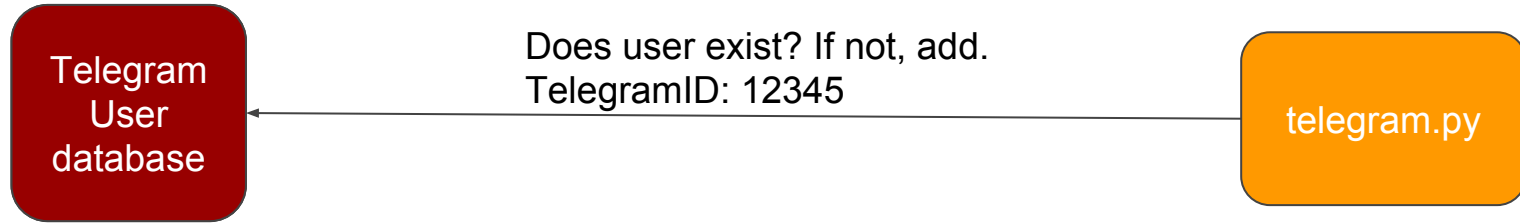
Telegram
App



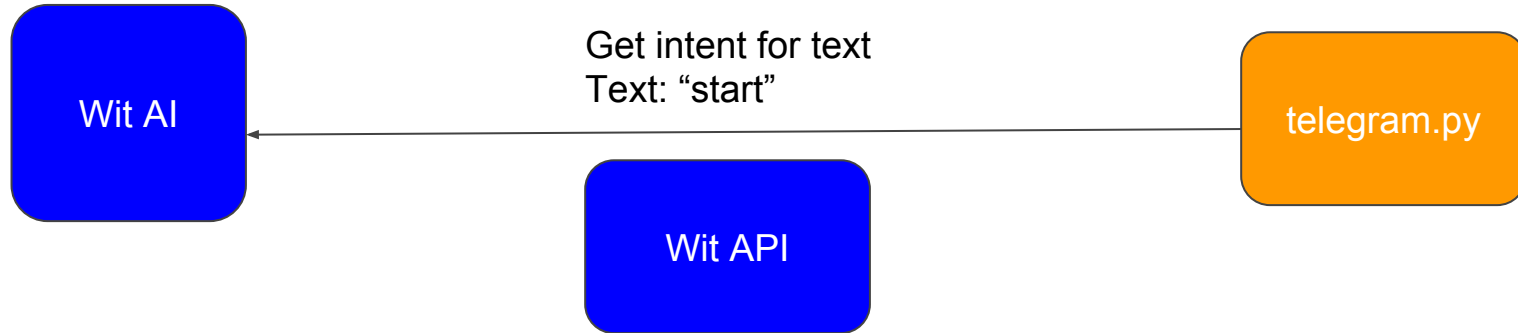
General Flow



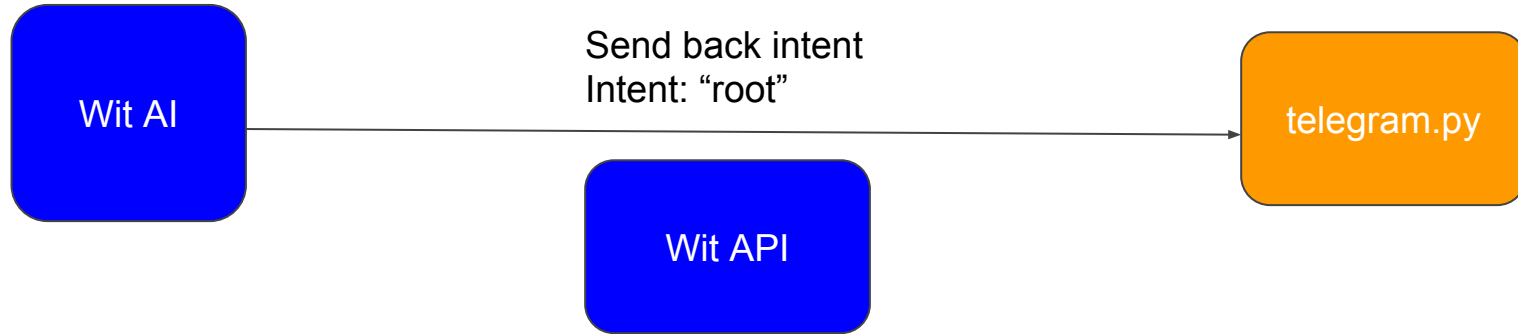
General Flow



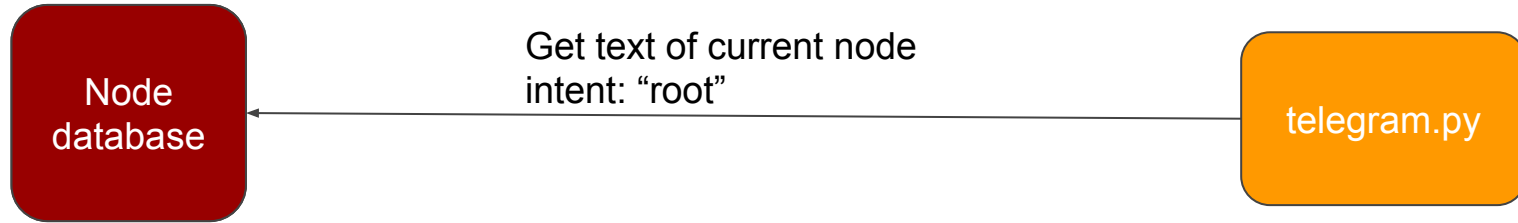
General Flow



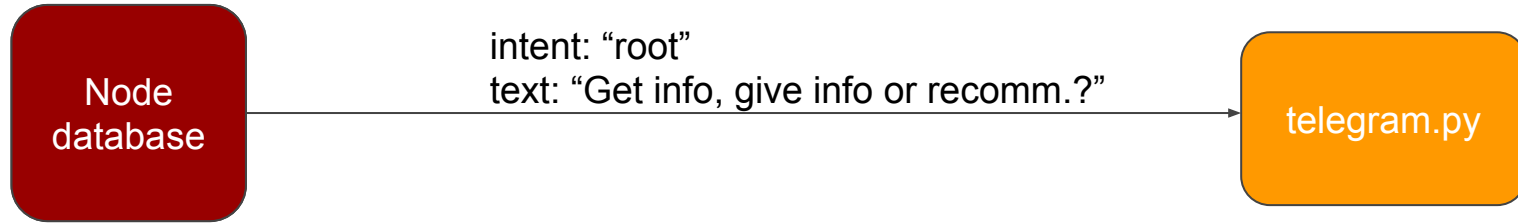
General Flow



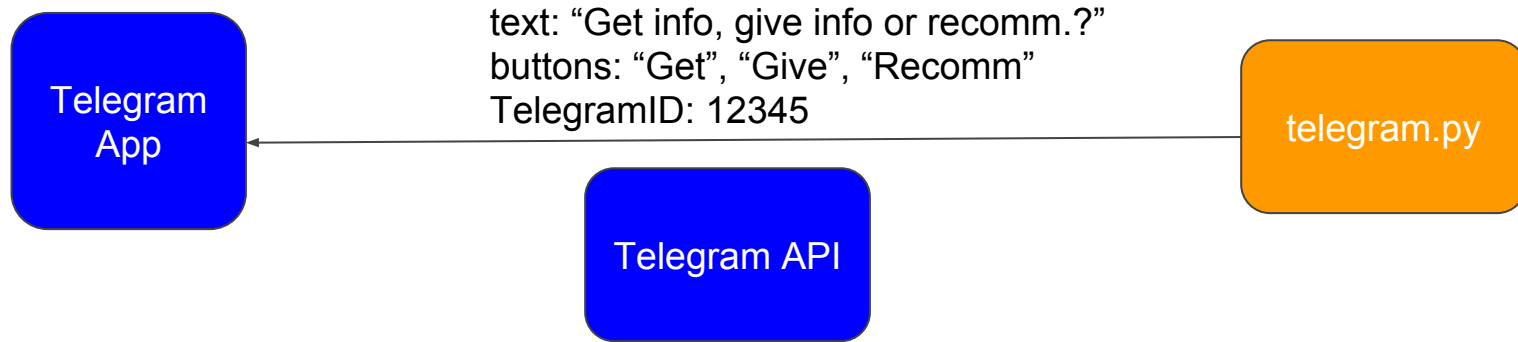
General Flow



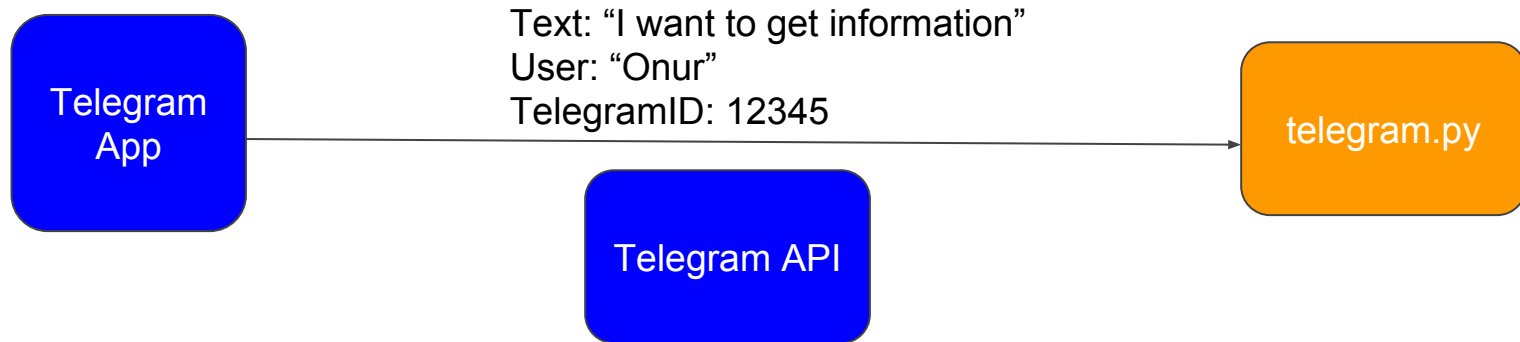
General Flow



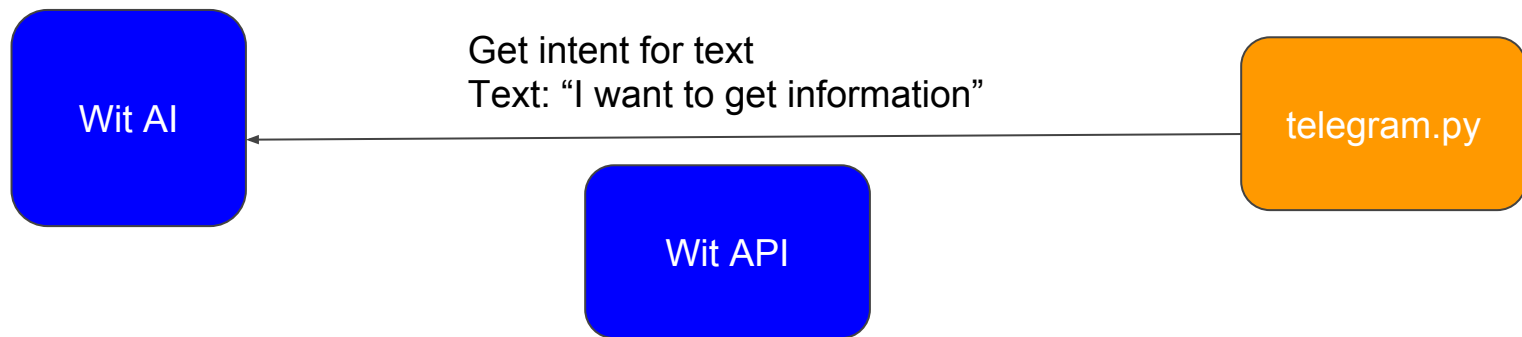
General Flow



General Flow

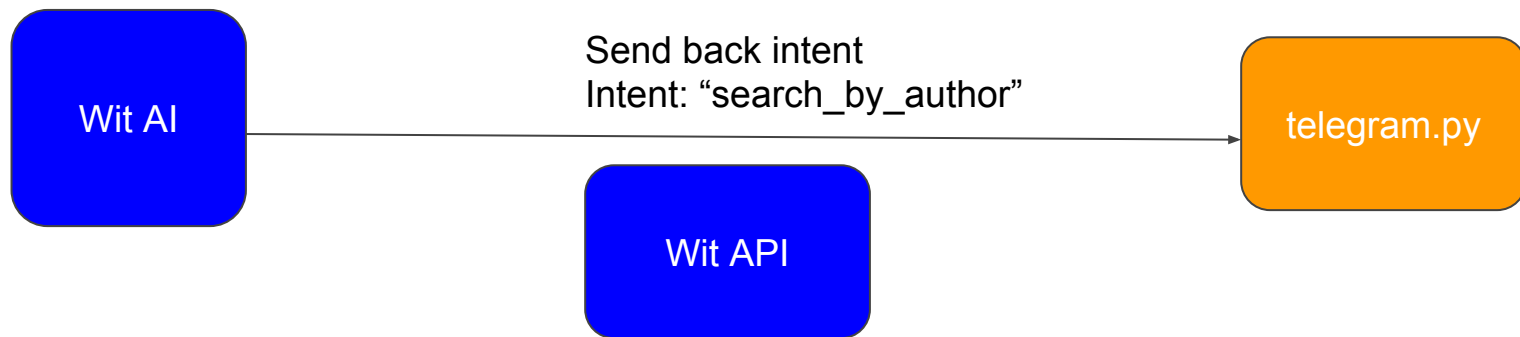


General Flow

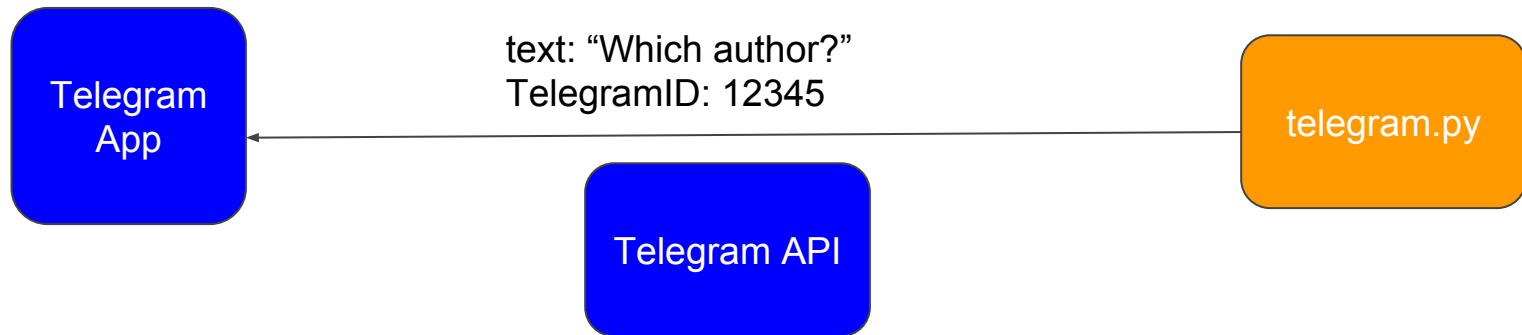


Let's jump to the search node...

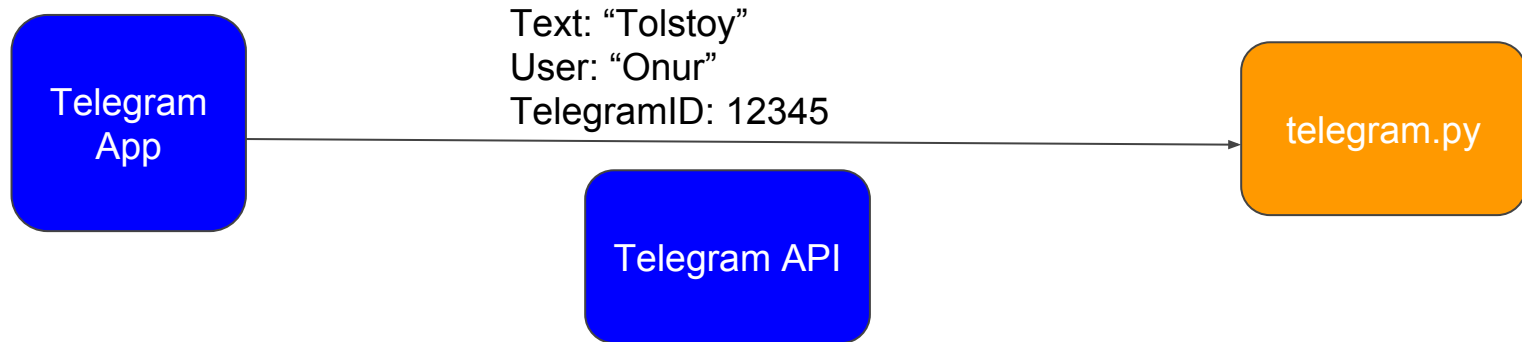
General Flow



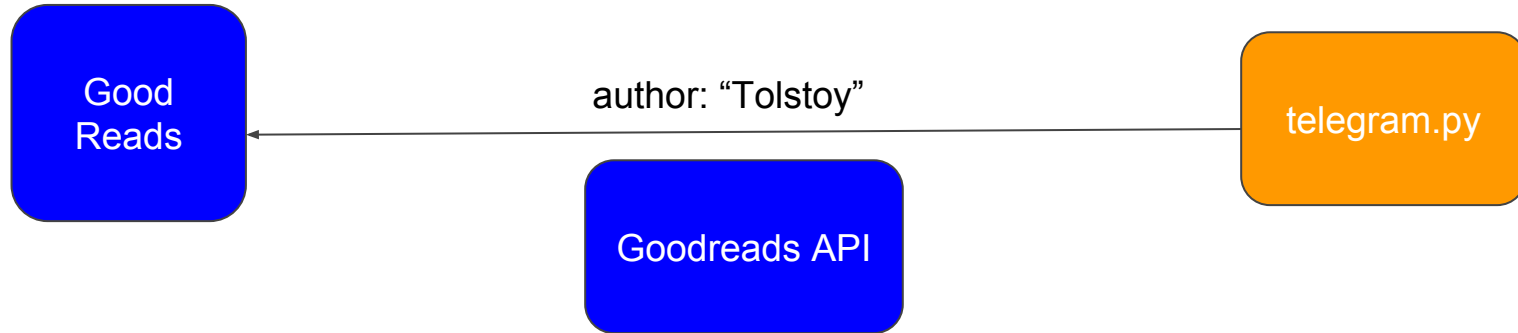
General Flow



General Flow



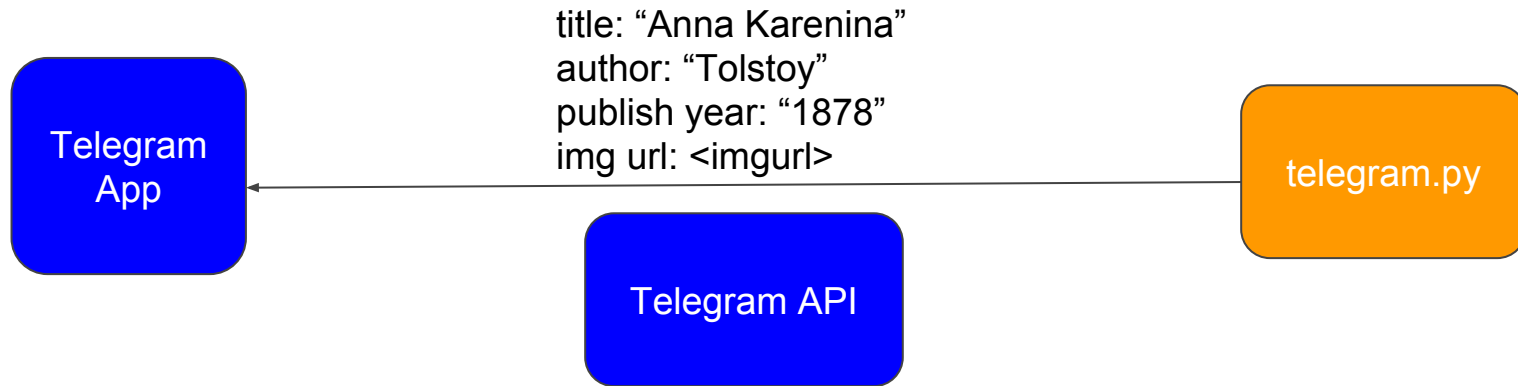
General Flow



General Flow



General Flow



...continuous loop of nodes

The unlimited potential of the project

- We've implemented the backend for any kind of chat bot
 - The book bot is actually only a set of nodes created in the admin panel.
- Conversation tree can be easily modified
 - Admins can create new intents, new messages and new conversation paths to follow.
- However;
 - For special actions, such as using another external API instead of doing a GoodReads search, coding is needed.



What we have learnt

- Modular structures are important
- Communication is important
- We have to take group members's personal schedules into account
 - People have exams on different dates
 - Assigning earlier jobs to people who have more time initially is a good idea
- Testing the same thing twice can give different results, beware of bugs!





DEMO TIME