

GSoD 2021 Project Proposal

Wechaty -Create easy to learn tutorials for beginner users of Wechaty

Mentor: **Huan**

Abstract

A easy-to-learn tutorials are designed to assist end users to get familiar with the product or service. Good tutorials are very important because it provides an avenue for users to learn how to use a software, its features, tips, tricks. It also reduces support cost and is part of the corporate identity of the product: a good tutorials as well as user documentation is a sign of healthiness of the product, the developer team.

Without good tutorials, a user may not know how to do the above things effectively and efficiently. Also User Documentations can play a pivotal role in ensuring a product's success because great communication is and will always be at the heart of any business or product and a great documentation just takes that communication and puts it in a manageable framework that everyone can access for success.

At the time of this writing, the Wechaty now has more than 9900 Stargazers over time and the having no downtime after 12th Nov,2020 for the API and FridayBot, this shows that a lot of people all over the world use the Wechaty and may want to read its tutorials for guidance on how to use the the chatbot maker. However, the Wechaty tutorial is currently outdated and incomplete and the Wehchaty community wants to use this project to improve its tutorials and user documentation to enable end users to have a seamless experience when using the Wechaty.

Current State

Currently, the tutorials are available on its official website. It is obsolete, incomplete, hard to navigate or find information, does not cover code about some programming language of the chatbot maker and some posts and tutorials are written in Chinese language which causes a major setback for people who can't read the Language.

Why is your proposed user documentation an improvement over the current one?

The proposed user tutorials will be structured to improve and ensure efficiency, consistency, and peace of mind for any end user. It will contain written guides and its associated images, include instructions and explanations on how to use each feature of the Wechaty, up to date, allow the user to learn by doing, understandable and translatable in English languages as well all the blogs,posts,video subtitles as well.

Analysis

Huan and I had a conversation about the new changes that are to be made with the current tutorials and he shared two links that showed a project's scope file written with **Docusaurus documentation system v2** and a tutorials docs given on **wechaty.js.org** and said they expect to enhance the contents under the tutorial sub menu. The links he shared with me can be found [here](#) and [here](#). I researched a lot about these tools to get a better understanding of how it works.

Docusaurus documentation system v2

Docusaurus makes it easy to maintain Open Source documentation websites. Docusaurus currently provides support to help the website use translations, search, and versioning, along with some other special documentation markdown features. Some of its features are :

- Powered by Markdown
- Built Using React
- Ready for Translations
- Document Versioning
- Document Search

It makes design and documentation changes by using the included live server. Also, it publishes the site to GitHub pages or other static file hosts manually, using a script.

Structure for the proposed documentation

I created a structure for the Wechaty easy-to-go Tutorials which can be found on page 7. This structure needs to be accepted and modified by Mentors before implementation begins.

Project Goals

- Allow the user to learn by doing
- Get the user started
- Make sure that the tutorial works all the time
- Ensure the user sees results immediately
- Make the tutorial repeatable
- Focus on concrete steps, not abstract concepts
- Provide the minimum necessary explanation
- Focus only on the steps the user needs to take
- Work with the contributor team to update the documentation on the Wechaty site.

Timeline

Doc development(Before 30 April)

- Continue making contributions to the organisation.
- Become more familiar with the current tutorials and make a blueprint of the changes to be done.
- Learn new technologies and technical writing skills which will be helpful while implementing the project.
- Learn more about the community and product.
- Discussing the proposed documentation structure with the mentor and other members of the organisation.
- Finalised the proposed feature and other modifications that need to be made with existing tutorials.

Week 1 (1st May - 8th May)

This week I will focus on setting up the GitHub repository which I will use to push and pull all the changes I have made.

- If a Github repository for the documentation has already been created by the Wechaty community before the beginning of the documentation period, I will fork the repository so that I can be making changes to my branch directly before creating a pull request to the main repository to be reviewed and merged by the mentor. If not, I will create a repository for the documentation on GitHub (of course after taking permission from the mentor).
- Add a README file to GitHub to help future contributors understand how to contribute to Wechaty documentations and tutorials.
- I will write documentation on two subheadings in the **Getting Started** section of the documentation.
 - Why Wechaty: A brief introduction and some little history of the Wechaty community and Chatbot Maker.
 - List of Examples: To excite people to use this chatbot maker.
- Commit the newly made changes to my branch and create a pull request for review.

Week 2(9th May - 15th May)

- Help & Contact :To mention all the necessary links and references with details.
- Quick Start Setup : A quick easy to understand setup tutorial with necessary images and easy-to-understand words.
- Installation : Straightforward installation with images for each step in installation.

Week 3(16th May - 22nd May)

- Showcase : To translate language as well as rearrange the topics in block form for better User Interface.
- Hands-on tutorial's Homepage :To translate page and retransform page for better experience.

- Basic tutorials for beginners : To add a well explained introduction and some wechaty images to make interests for the users.

Week 4(23rd May - 29th May)

- Video Tutorial (Money Bot) : To translate the entire page and to add english subtitles to the video.
- Create a bot : To reorganise the page, add items to left fields and conversion of codes to 5 different programming languages.
- Listen to events : To reorganise the page, add items to left fields and conversion of codes to 5 different programming languages.

Week 5(30th May - 5th June)

- Video Tutorial (Assistant Bot) : To translate the entire page and to add english subtitles to the video.
- Deal with message : To reorganise the page, add items to left fields and conversion of codes to 5 different programming languages.
- Manage rooms : To reorganise the page, add items to left fields and conversion of codes to 5 different programming languages.

Week 6(6th June - 12th June)

- Video Tutorial (Coaxer Bot) : To translate the entire page and to add english subtitles to the video.
- Make friends : To reorganise the page, add items to left fields and conversion of codes to 5 different programming languages.
- Process files : To reorganise the page, add items to left fields and conversion of codes to 5 different programming languages.

Week 7(13th June - 19th June)

- Manage contacts : To reorganise the page, add items to left fields and conversion of codes to 5 different programming languages.
- Write tests : To reorganise the page, add items to left fields and conversion of codes to 5 different programming languages.
- Construct page for Heroku usage : To add content along with some visuals for better experience.

Week 8(20th June - 26th June)

- Construct page for Heroku usage : To add content along with some visuals for better experience.
- Construct page for Heroku usage : To add content along with some visuals for better experience.
- Reorganise Pugin with wechaty page : To reorganise all the content and add some photos for making it interesting.

Week 9(27th June - 3rd July)

- Reorganise Pugin with wechaty page : To reorganise all the content and add some photos for making it interesting.
- Reorganise Pugin with wechaty page : To reorganise all the content and all photos for making it interesting.

- Examples and cheatsheet : Add some new examples and make new cheatsheet for the project.

Week 10(4th July - 10th July)

Conversion of Blogs to english language with possible images as well :

- How do I use Chatbot to reconstruct the sales system in Qiji Innovation Forum,@rickyyin
- Chatbot's application in customized travel industry,@likai
- Microsoft Tech Summit-Quickly build a chatbot,@lijiarui

Week 11(11th July - 17th July)

Conversion of Blogs to english language with possible images as well :

- Use wechaty to realize news and information broadcasting robot,@judaschrist
- Party entertainment robot,@osindex
- Wechaty-Let there be no difficult business online, @coderwhocode

Additional Work

Week 12(18th July - 24th July)

- To reverify the reference doc,if we have any docs incomplete ,and translate it to english language as well ,and try to complete it within a week:
 - API references
 - Polyglot
 - Puppet providers
 - Puppet Services
 - Specifications

Week 13(25th July - 31st July)

- To go through Explanations docs ,and translate it to english language as well for easy understanding and well formatted documents.
 - Overview
 - Conversational
 - RPA
 - Motivation
 - Concepts
 - Architecture
 - Life Cycle
 - Alternatives
 - Glossary
 - FAQ
 - Troubleshooting
 - Docusaurus

Week 14(1st August - 7th August)

- This week I will put all my attention on proofreading the documentation for typos and errors.
- Submit a project report and evaluation of my mentors
- Write and submit a report of my experience as a participant in Season of Docs.

Some Previously made Tutorials

CircuitVerse

It is an easy-to-use digital logic circuit simulator that aims at providing a platform to create, share and learn digital circuits or in other words, a web-based simulation software to create & test full-fledged circuits. It can run on almost any device without the need for installing any software.

Starting from what the Software is all about, with explaining its benefits. I have covered all the aspects possible that includes How to create groups, post assignments, creating the first circuit, sharing the circuit with others, modifying and embedding the circuit with each and every diagram to help users understand better. I have used here all the markdown and html syntax to beautifully explain all the concepts.

Link to the Tutorial is [here](#)

VLC Media Player

VLC is a free and open-source cross-platform multimedia player and framework that plays most multimedia files, and various streaming protocols.

In this, I tried to explain the features of VLC Media Player, installations, and its top 10 hidden features with possible images to help users better understand the concept.

Link to the tutorial is [here](#)

Data Analysis with Python

In the field of Machine learning, Data analysis plays an important role in data extraction, exploration, correlations, visualizations and modifications.

In this, I tried explaining all the written codes in detail and made a user friendly tutorial.

Link to the tutorials is [here](#)

Qualki

As I was the video Production manager, I hold the position to write/correct/replace the content for the video .

In this, I gained how to work with the community and insight on how to make quality content material that is engaging and interesting.

Why this project?

I have always had a conviction that writing code, solving problems and building software reaches its full potential when you also have the ability to enlighten others about it through writing. Personally, I have always been fascinated by the efforts undertaken by the Wechaty community in creating free Chatbots . Growing up as a child, I was always amazed to see how chatbots were able to respond quickly. I also made a Telegram bot that handles the latest news to the user and Instagram bot that likes photos by some particular tag. It will be an honour to work with the community that contributed in making today's world more awesome.

Why am I the right person for this project?

I believe myself to be the right person for this project because

- I believe that If you want someone to do something in the most efficient way possible, you document it. By documenting your processes, you ensure efficiency, consistency, and peace of mind for anyone involved.
- I have past experience in writing tutorials and I can use any version control system, so carrying out commands on GitHub will not be a problem. Moreover, what drives me is working on projects that create value to people.
- I know the needs of Wechaty because I am one of them. This will enable me to write the tutorials in such a way that every other user across the globe understands at first glance. and make their first chatbots with Wechaty.

Personal Information

- **Name:** Abhishek Jaiswal
- **Github:** <https://github.com/abhishek-iiit>
- **Blog:** <https://abhishek-iiit.hashnode.dev/> & <https://abhishek-iiit.medium.com/>
- **Gitter handle:** Abhishek Jaiswal
- **Resume:** [click here](#)
- **Location:** Uttar Pradesh, India
- **Time Zone:** (UTC + 05:30) India
- **Typical working hours:** 4PM - 10 PM (UTC + 05:30) India

The New Structure For The Wechaty Tutorials

Getting Started

- ❖ Why wechaty [The existing file can be found here.](#)
- ❖ List of examples to excite people about the chatbot
- ❖ Help [The existing file can be found here.](#)
- ❖ Contact Us [The existing file can be found here.](#)

Setup

- ❖ Quick Start The existing file can be found [here](#).
- ❖ Installation The existing file can be found [here](#).
- ❖ Showcase The existing file can be found [here](#).

Hands-on Tutorials

- ❖ Home page (consist of Videos to choose from in Blocks format)
- ❖ Basic Tutorial for beginners The existing file can be found [here](#).
- ❖ Videos :
 - Money Bot The existing file can be found [here](#).
 - Assistant Bot The existing file can be found [here](#).
 - Coaxer Bot The existing file can be found [here](#).

Note : All the above videos will have English Subtitles as well.(after translation)

Create a bot

- ❖ Will make code to run in at least 5 different programming language The existing file can be found [here](#)

Listen to events

- ❖ Will make code to run in at least 5 different programming language The existing file can be found [here](#)

Deal with message

- ❖ Will make code to run in at least 5 different programming language The existing file can be found [here](#)

Manage contacts

- ❖ Will make code to run in at least 5 different programming language The existing file can be found [here](#)

Manage rooms

- ❖ Will make code to run in at least 5 different programming language The existing file can be found [here](#)

Make friends

- ❖ Will make code to run in at least 5 different programming language The existing file can be found [here](#)

Process files

- ❖ Will make code to run in at least 5 different programming language The existing file can be found [here](#)

Write tests

- ❖ Will make code to run in at least 5 different programming language The existing file can be found [here](#)

Using Wechaty

- ❖ Usage with Heroku The existing file can be found [here](#)
- ❖ Usage with Docker The existing file can be found [here](#)
- ❖ Using Plugin with Wechaty The existing file can be found [here](#)
- ❖ Using Vorpak with Wechaty The existing file can be found [here](#)
- ❖ Using Redux with Wechaty The existing file can be found [here](#)

Examples and CheatSheet

- ❖ The existing file can be found [here](#)

Blogs

- ❖ How do I use Chatbot to reconstruct the sales system in Qiji Innovation Forum, @rickyyin The existing file can be found [here](#)
- ❖ Chatbot's application in customized travel industry, @likai The existing file can be found [here](#)
- ❖ Microsoft Tech Summit-Quickly build a chatbot, @lijiarui The existing file can be found [here](#)
- ❖ Use wechaty to realize news and information broadcasting robot, @judaschrist The existing file can be found [here](#)
- ❖ Party entertainment robot, @osindex The existing file can be found [here](#)
- ❖ Wechaty-Let there be no difficult business online, @coderwhocode The existing file can be found [here](#)

Note : All the above blogs will have 2 language sections to choose from, either chinese or english language. (after translation)

References

- ❖ API references The existing file can be found [here](#)
- ❖ Polyglot The existing file can be found [here](#)
- ❖ Puppet providers The existing file can be found [here](#)
- ❖ Puppet Services The existing file can be found [here](#)
- ❖ Specifications The existing file can be found [here](#)

Explanations

- ❖ Overview The existing file can be found [here](#)
- ❖ Conversational The existing file can be found [here](#)
- ❖ RPA The existing file can be found [here](#)
- ❖ Motivation The existing file can be found [here](#)
- ❖ Concepts The existing file can be found [here](#)
- ❖ Architecture The existing file can be found [here](#)
- ❖ Life Cycle The existing file can be found [here](#)
- ❖ Alternatives The existing file can be found [here](#)
- ❖ Glossary The existing file can be found [here](#)
- ❖ FAQ The existing file can be found [here](#)
- ❖ Troubleshooting The existing file can be found [here](#)
- ❖ Docusaurus The existing file can be found [here](#)

GitHub

- ❖ The link to the repository can be found [here](#)
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