# Guidelines for Writing a Chatbot Design Paper

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### 1 General Overview

- Objective: To conduct a comprehensive study on chatbot design, focusing on process and methodology, user experience (UX), and technical aspects.
- Target Audience: Academics, industry professionals, and chatbot developers.
- Recommended Length: 8-15 pages (it is not about quantity of text, but flowcharts, UI mockups, intent and utterance, copytext, etc might need adequate space), including references, tables and figures.e), including references, tables, and figures.

## 2 chatGPT usage

You are welcome to utilize ChatGPT creatively for various tasks, such as generating personas, as demonstrated in one of the presentations. Nonetheless, it's essential to follow certain guidelines to maintain transparency and ethical usage.

Firstly, all the prompts and insights that you have generated using Chat-GPT should be submitted for review. This is important for ensuring the integrity of the work, as well as for giving context to the generated content.

Secondly, if you're using ChatGPT to create lengthy textual content, this output should be treated as a cited source. Just like quoting from a book or academic paper, it's important to clearly indicate that the text has been generated by ChatGPT. This helps to distinguish between your own original thoughts and the generated content.

Additionally, if any significant ideas or concepts are generated using Chat-GPT, these should be explicitly marked as such. This is crucial for transparency, and it helps to clearly identify the source of these ideas, ensuring that they are attributed correctly.

Lastly, if you're employing ChatGPT for proofreading purposes, akin to how you would use tools like Grammarly, there's no requirement to explicitly highlight this usage. Proofreading is generally considered a part of the editing process, and the core ideas and content remain your own. Therefore, in such cases, explicit attribution is not necessary.

By incorporating this point, the guidelines now offer a comprehensive view on how to use ChatGPT responsibly and transparently in your projects.

## 3 Structure of the Paper

- 1. **Abstract**: Briefly outline the objectives, methodology, and key findings of your study (150-250 words).
- 2. **Introduction**: Introduce the problem, the importance of the study, and your research questions.
- 3. **Process and Methodology**: Discuss stakeholder interviews, use-case identification, prototyping, and the development process.
- 4. User Experience (UX): Dive into user-centric requirement analysis, user interface design, accessibility, language and personality, and copywriting.
- 5. **Technical Aspects**: Explain dialogue modeling, intent recognition, entity interaction, and context understanding.
- 6. **Conclusion**: Summarize key findings, limitations, and future research directions.
- 7. **References**: List all sources cited in the paper.

## 4 Writing Guidelines

### 4.1 Clarity and Conciseness

Use clear and concise language. Avoid jargon unless it is industry-specific and relevant to the study.

### 4.2 Focus and Depth

- Process and Methodology: Focus on the iterative nature of the design process. Include specifics like stakeholder feedback, wireframes, and iteration cycles.
- **UX**: Pay special attention to how design decisions impact user engagement and satisfaction.
- **Technical Aspects**: Go into detail about the algorithms, technologies, and architectures used.

### 4.3 Use of Figures and Tables

Use flowcharts, wireframes, and tables to clarify points and present data.

#### 4.4 Case Studies

If possible, include real-world case studies to substantiate your claims and findings.

## 5 Reporting Specifics

### 5.1 Quantitative Data

If your study involves user surveys, A/B tests, or other quantitative methods, report the statistics clearly. Use charts and graphs for better visualization.

## 5.2 Qualitative Data

For interviews, focus groups, or observational data, provide representative quotes or scenarios that support your findings.

### 5.3 Code and Algorithms

If you've developed or customized algorithms, consider providing pseudocode or discussing the logic behind them.

### 5.4 User Feedback

When discussing UX, include actual user feedback or testimonials if available.

## 6 Quality vs Quantity

It's important to emphasize the quality of content over the quantity of pages. Focus on producing a paper that adds meaningful insights and value to the field, rather than merely filling pages. A well-articulated, shorter paper can often be more impactful than a long but poorly constructed one.

## 7 Additional Tips

- **Revision**: Plan for multiple rounds of revision. Peer review your draft to get additional perspectives.
- Citation: Ensure all sources, including images and datasets, are properly cited.
- **Formatting**: Follow the formatting guidelines of the journal or conference you are targeting for publication.