



GROUP PROJECT FORMATIVE

Design Thinking For Real

AI- Design Thinking for Innovation



Introduction

Elders often find it hard to handle daily tasks and remember things. Thankfully, AI technology has made life easier for them. AI helps provide personalized support, so older adults can live independently longer. Smart home devices powered by AI can quickly notice if something unusual happens or if there's an emergency, making sure help is on the way fast. This makes living safer for them. So we made a chatbot from ChatBot.com, called “Senior Guardian”.

Problem Statement

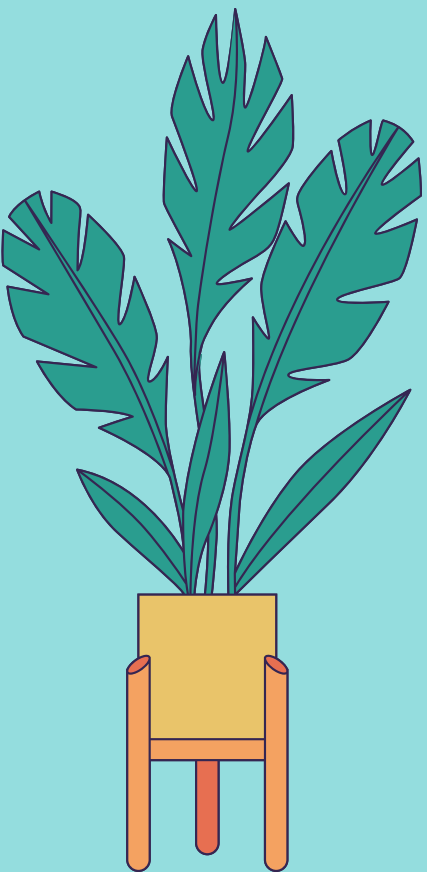
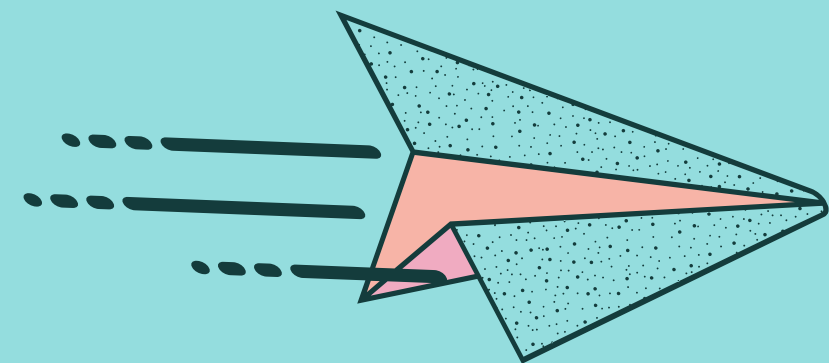
The problem is that many older people don't get the help they need that's made just for them. They have trouble finding the right healthcare, making friends, and getting information that fits what they need. This lack of personalised help makes their lives harder. To solve this, we want to make a special chatbot. Think of it as a virtual friend that knows exactly what older people go through and helps them with their specific problems. This chatbot will be easy to use and give personalized help, making life better for the elderly by focusing on what they need most.



Design thinking stages



Lets dive deeper into how we made it using these steps



Empathize

In order to understand the needs and challenges of elderly people in our community, it's important to engage directly with them. This involves not only conversations but also observing their daily routines. Insights from caregivers and healthcare professionals are also invaluable in this process. By putting ourselves in their shoes, we can gain a deeper comprehension of how a chatbot could be designed to assist them effectively. This empathetic approach will ensure the chatbot meets their actual needs and addresses their challenges adequately.



Define

Once we have gathered enough information, we can define the specific needs and problems that elderly people in our community are facing. This might include issues such as loneliness, difficulty remembering to take medication, or making grocery lists. Clearly stating these needs will guide us in developing solutions that are truly beneficial.



Ideate

Following the insights gathered about the needs and challenges faced by the elderly, the next step involves brainstorming innovative solutions. It's crucial to challenge existing assumptions and explore unconventional ideas on how a chatbot could enhance the daily lives of older adults. Potential ideas include utilizing the chatbot for companionship by engaging them in meaningful conversations, setting up reminders for medications and appointments to ensure they stay on track with their health regimen, or to recommend some easy exercises for seniors. This creative phase is about thinking broadly to identify how technology can make a real difference in addressing the specific needs of the elderly community.



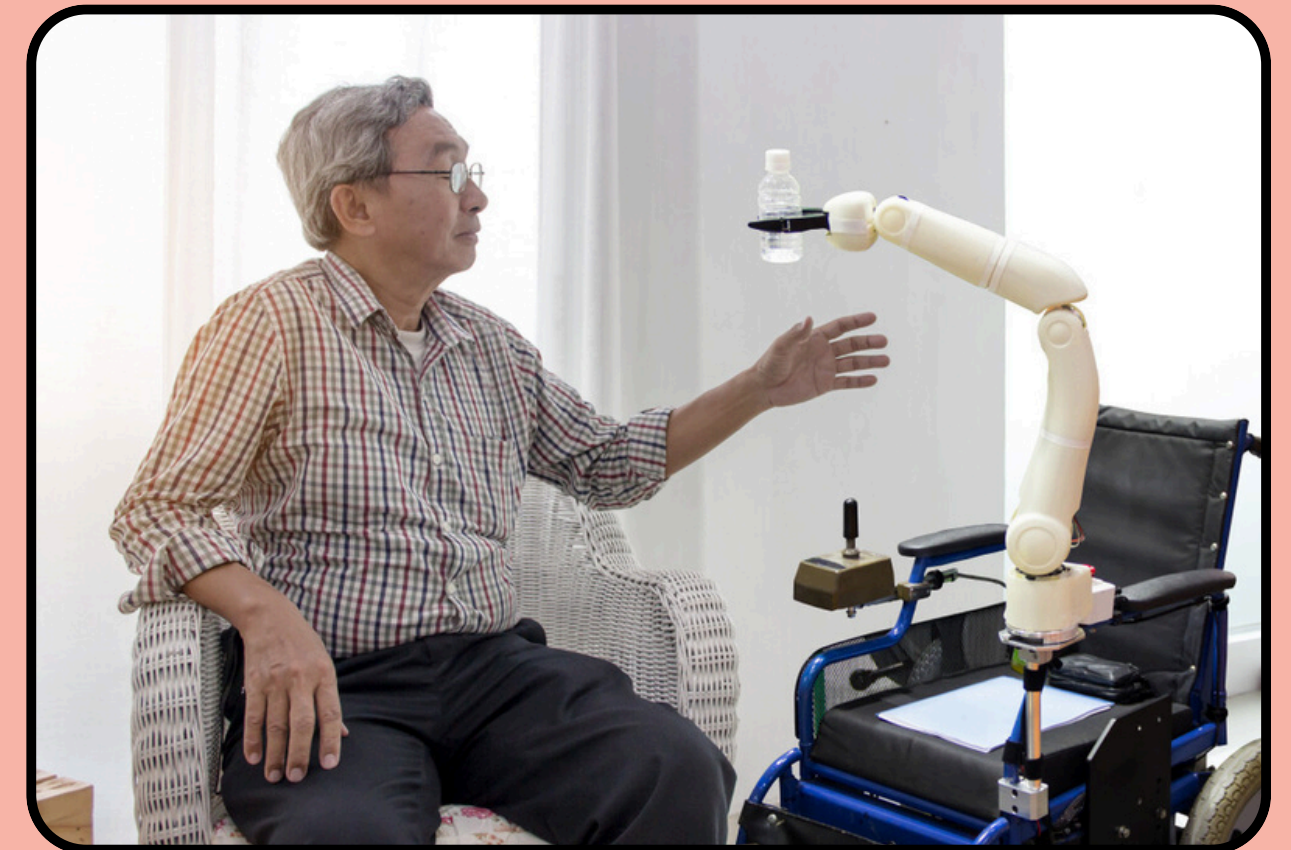
Prototype

With our ideas in hand, we can start to create a prototype of the chatbot. This could be a simple version of the chat interface with basic functionalities, such as asking and responding to questions, providing information, or sending reminders. The prototype doesn't need to be perfect, it's just a starting point for testing and refinement.



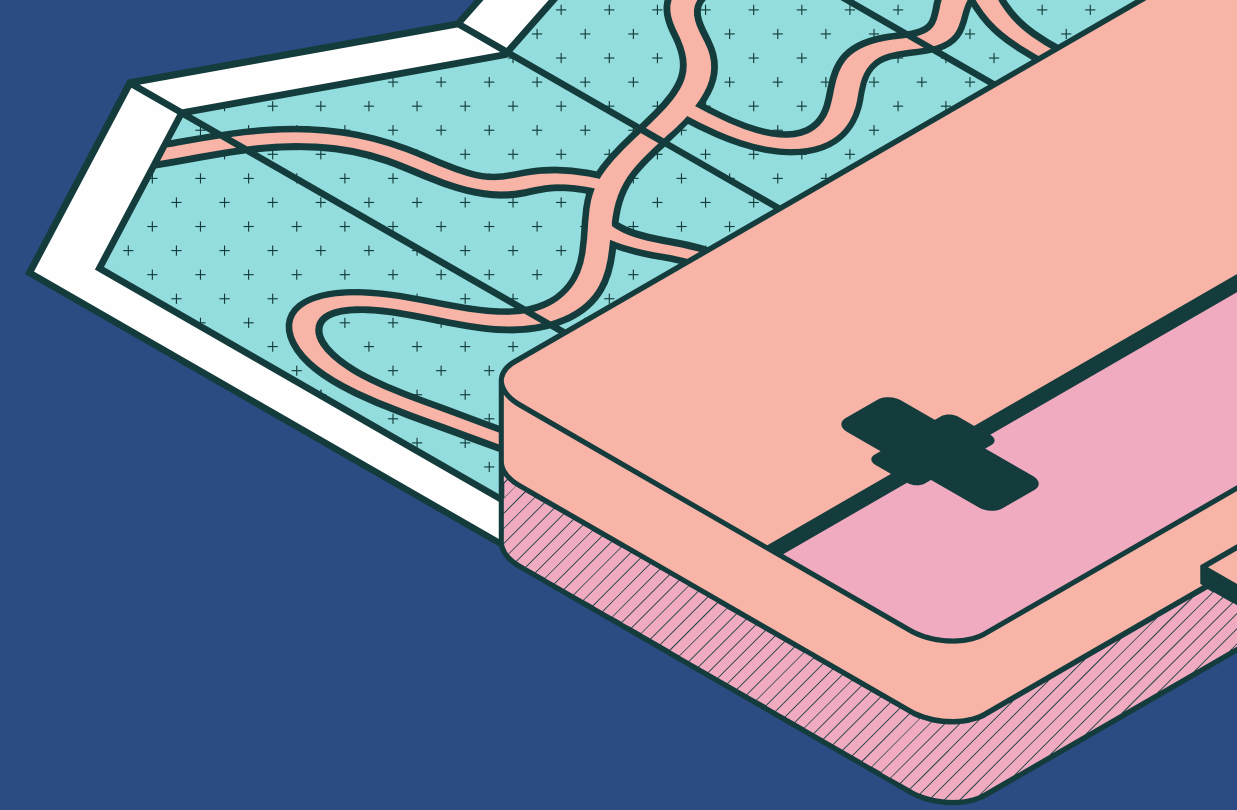
Test

To truly validate the effectiveness of our chatbot, engaging elderly users in our community for testing is crucial. This hands-on approach will not only allow us to collect invaluable feedback but also to observe firsthand how they interact with the chatbot, pinpointing precisely where enhancements are needed. Such testing is key to refining the chatbot's design, making necessary adjustments grounded in actual usage. This iterative process is essential to ensure our chatbot is not only genuinely helpful but also user-friendly, truly catering to the needs and solving the problems of the elderly.





Code



```
<!-- Start of ChatBot (www.chatbot.com) code -->
```

```
<script type="text/javascript">
```

```
    window._be = window._be || {};
```

```
    window.__be.id = "65cf68aafeb8d00007570f0a";
```

```
    (function() {
```

```
        var be = document.createElement('script'); be.type = 'text/javascript'; be.async = true;
        be.src = ('https:' == document.location.protocol ? 'https://' : 'http://') + 'cdn.chatbot.com/widget/plugin.js';
```

```
        var s = document.getElementsByTagName('script')[0]; s.parentNode.insertBefore(be, s);
    })();
```

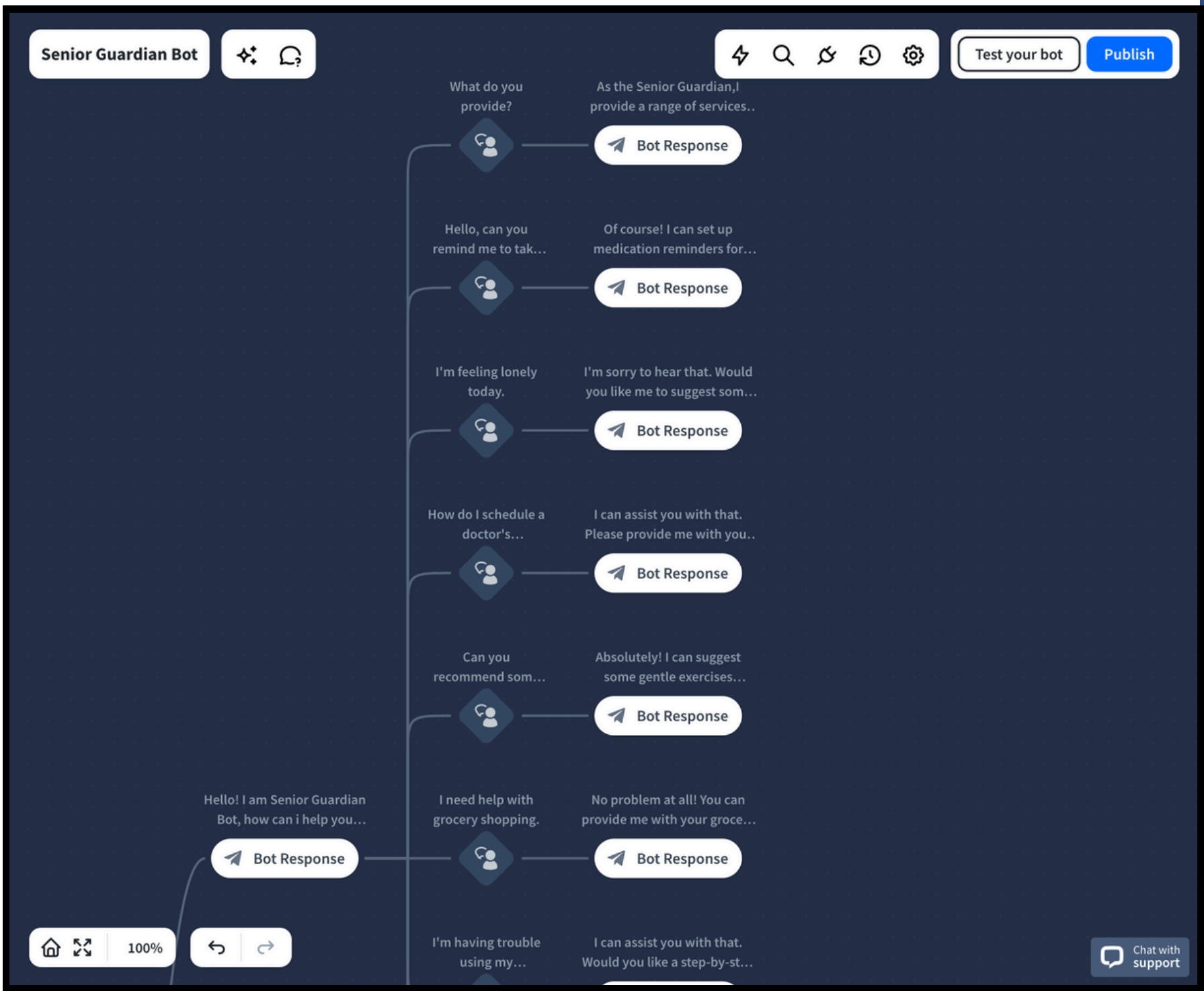
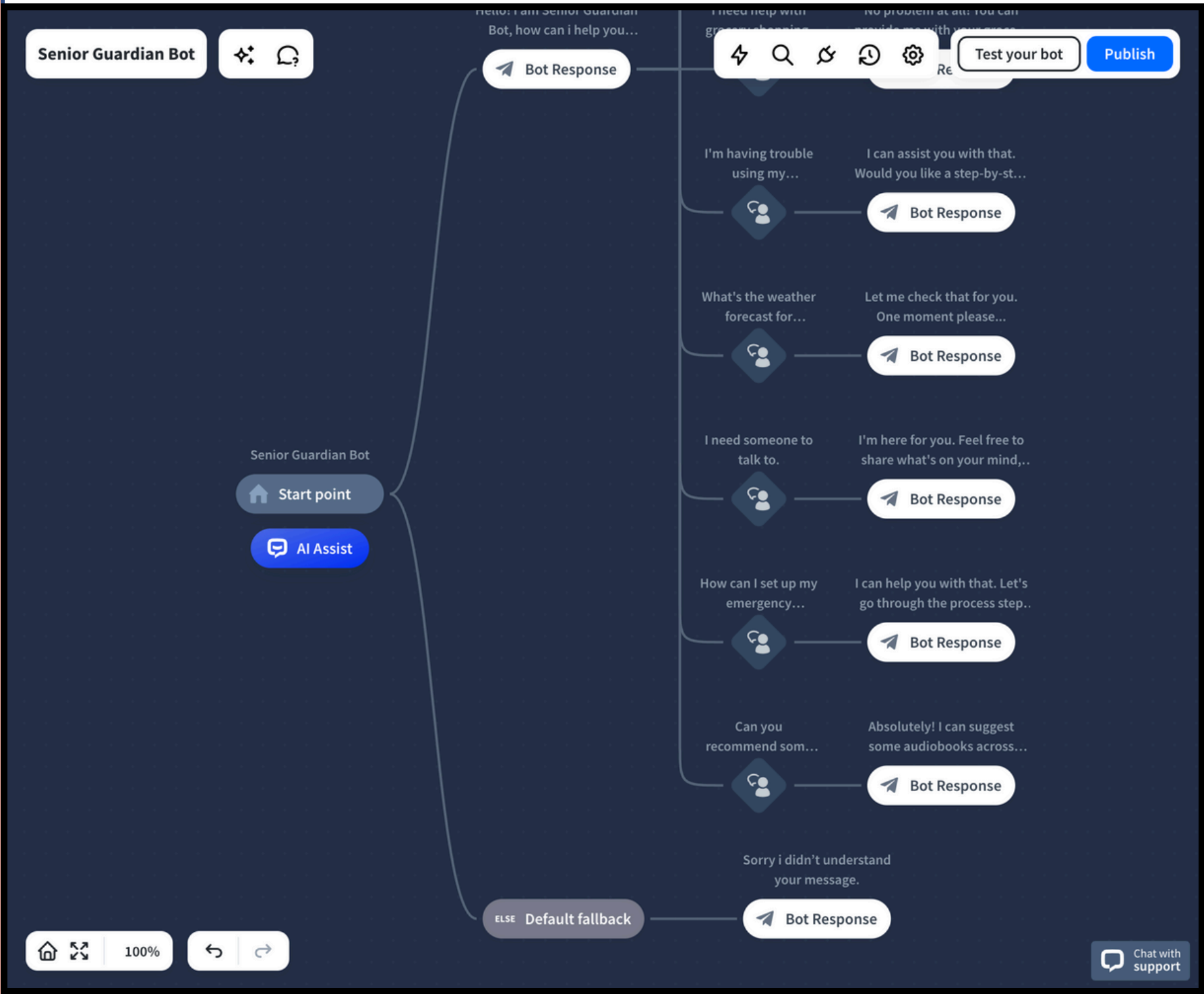
```
</script>
```

```
<noscript>You need to <a href="https://www.chatbot.com/help/chat-widget/enable-javascript-in-your-browser/"
rel="noopener nofollow">enable JavaScript</a> in order to use the AI chatbot tool powered by <a
href="https://www.chatbot.com/" rel="noopener nofollow"
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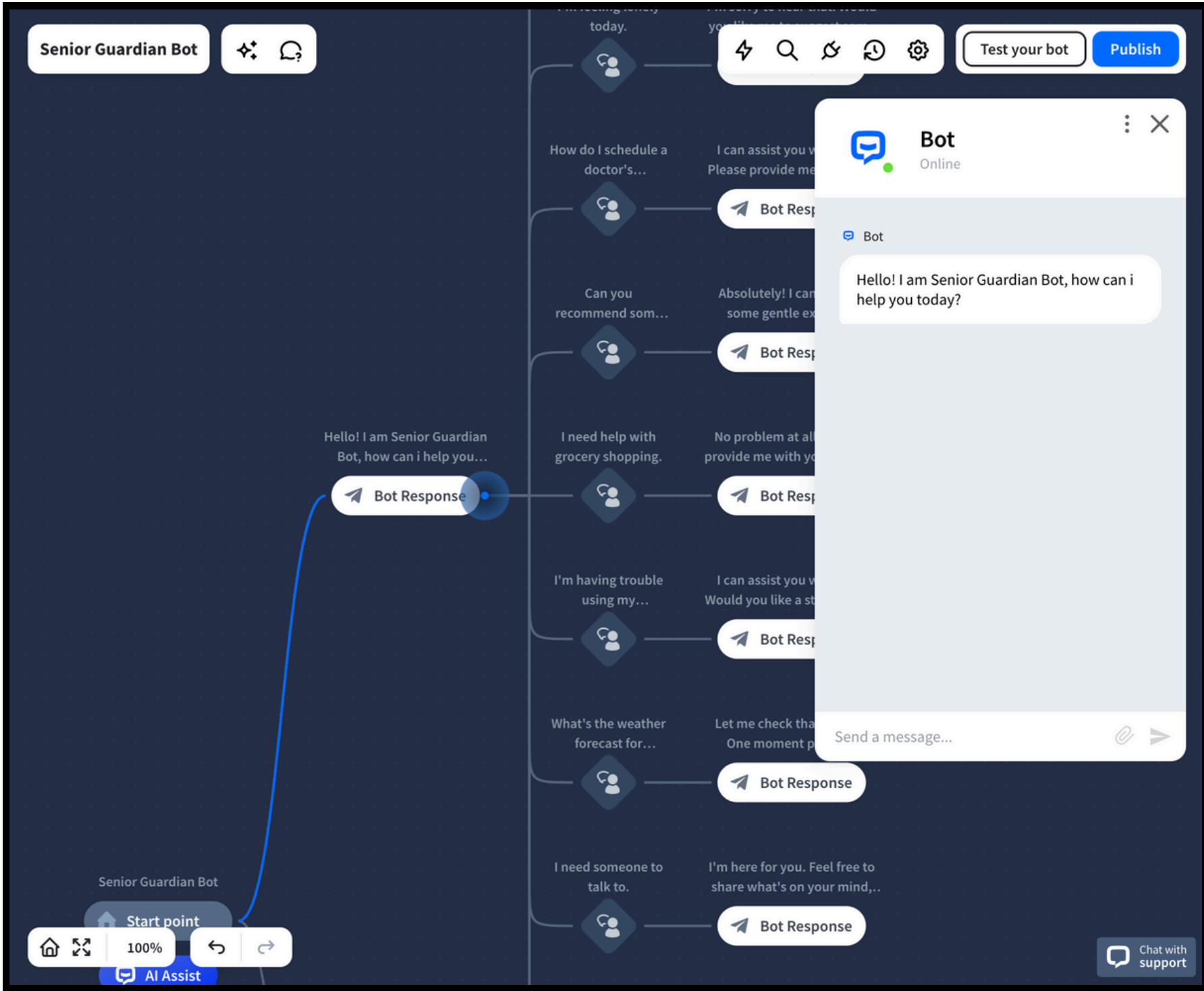
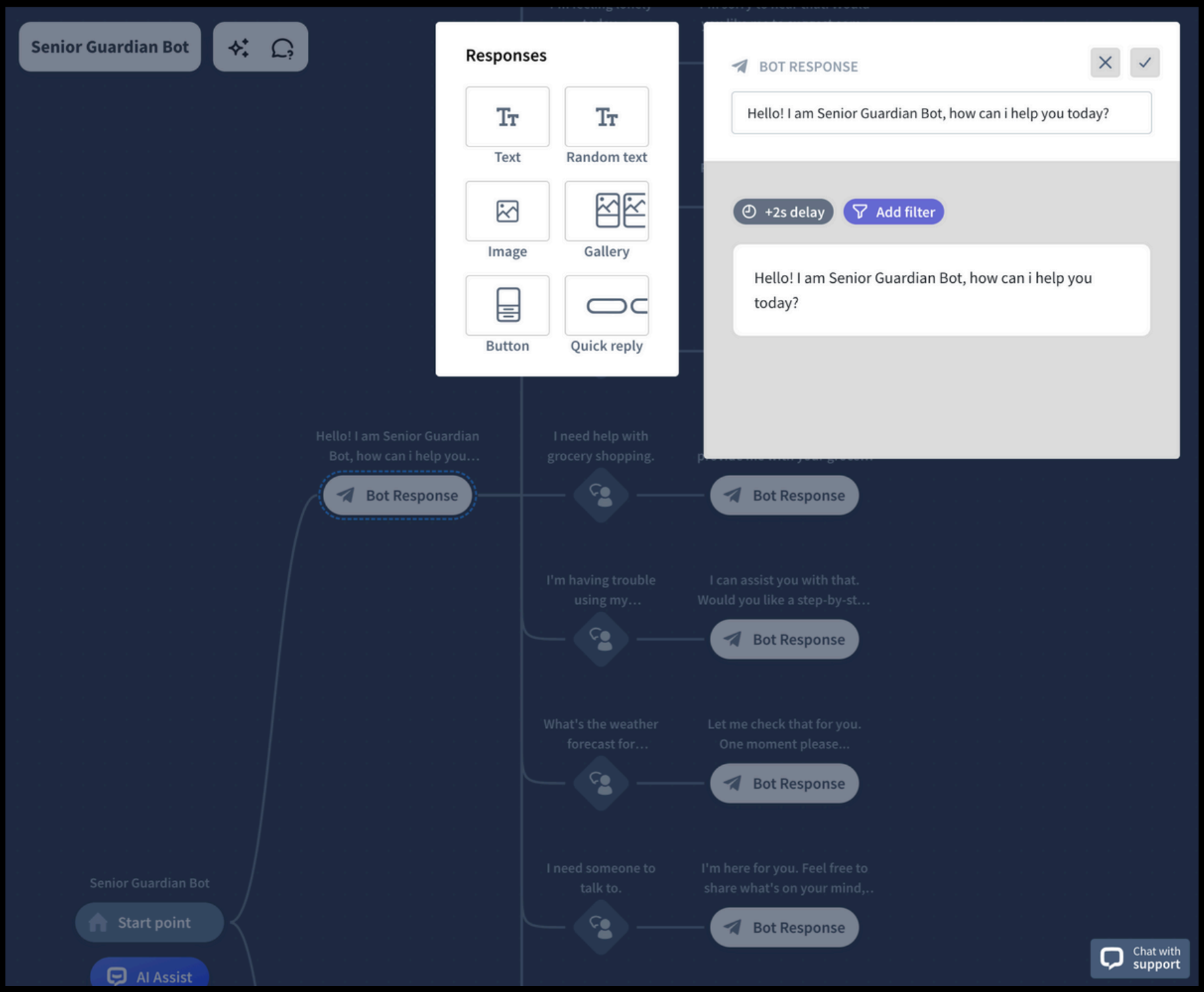
```
target="_blank">ChatBot</a></noscript>
```

```
<!-- End of ChatBot code -->
```

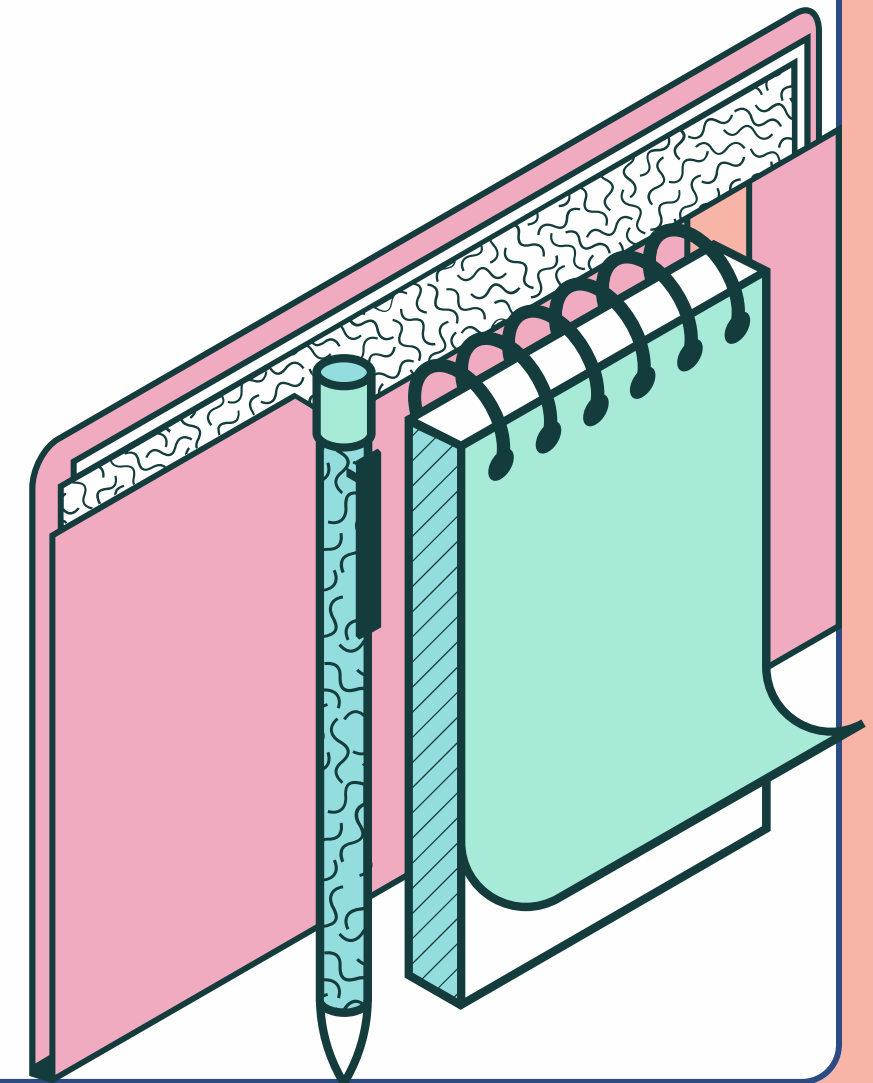
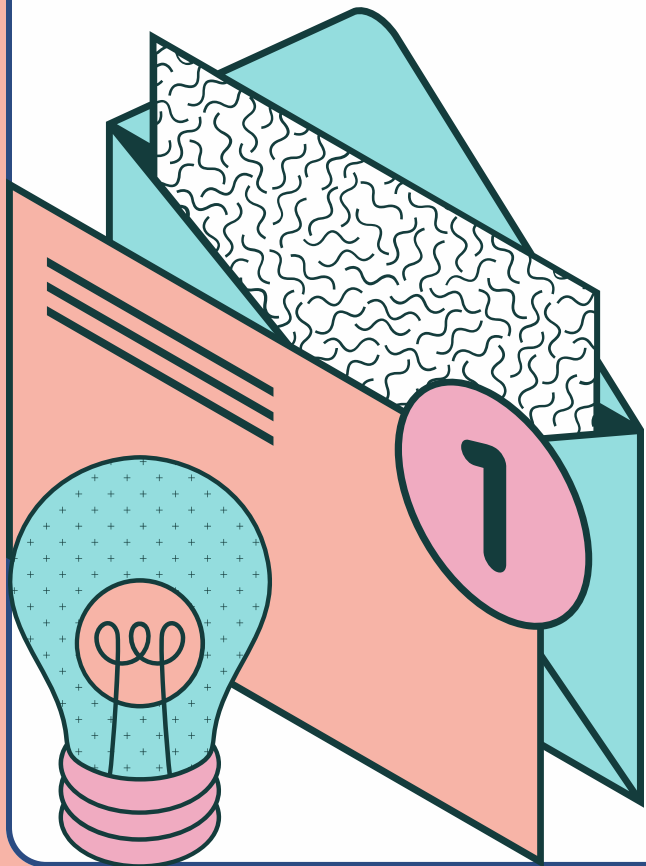
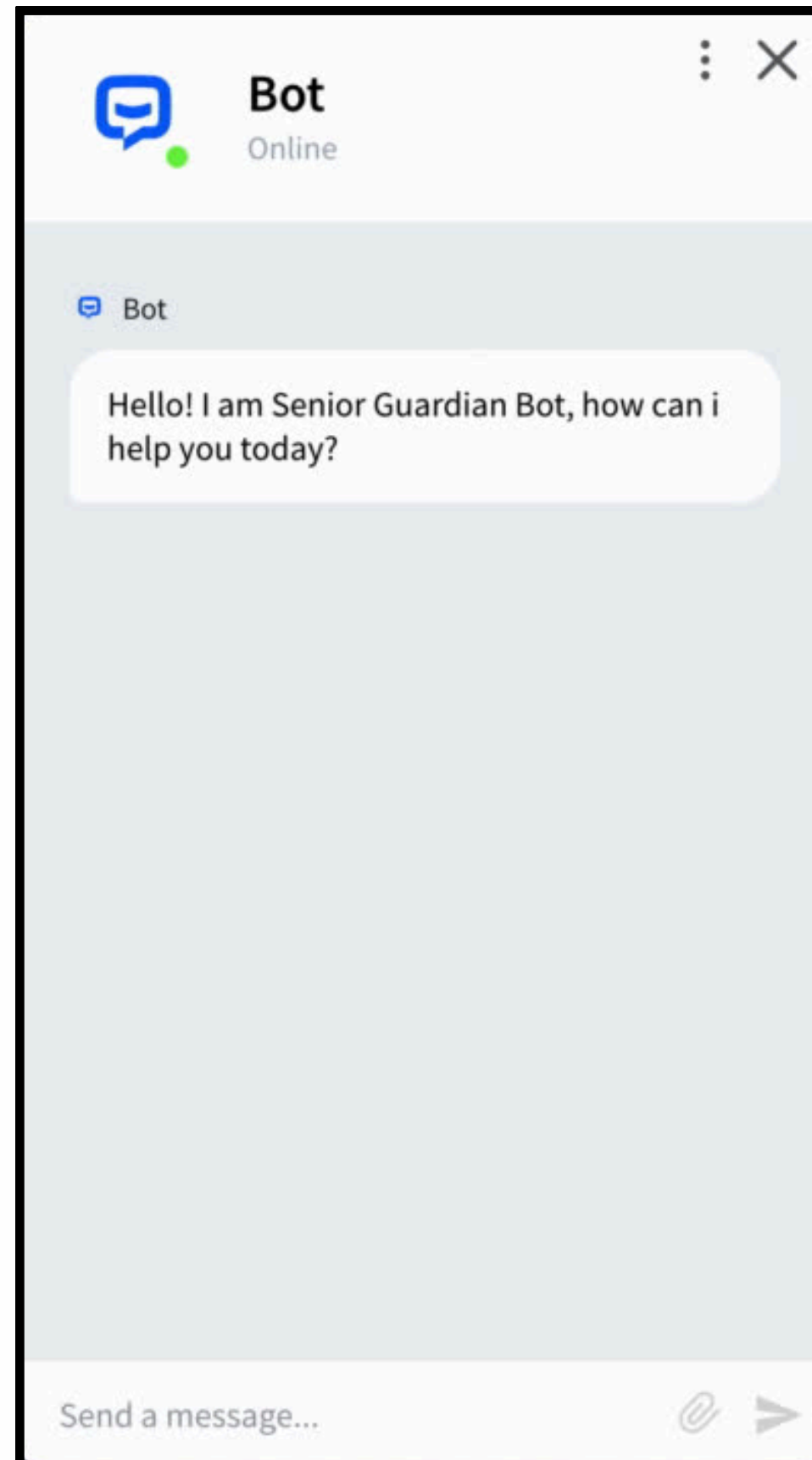
Screenshots



Screenshots

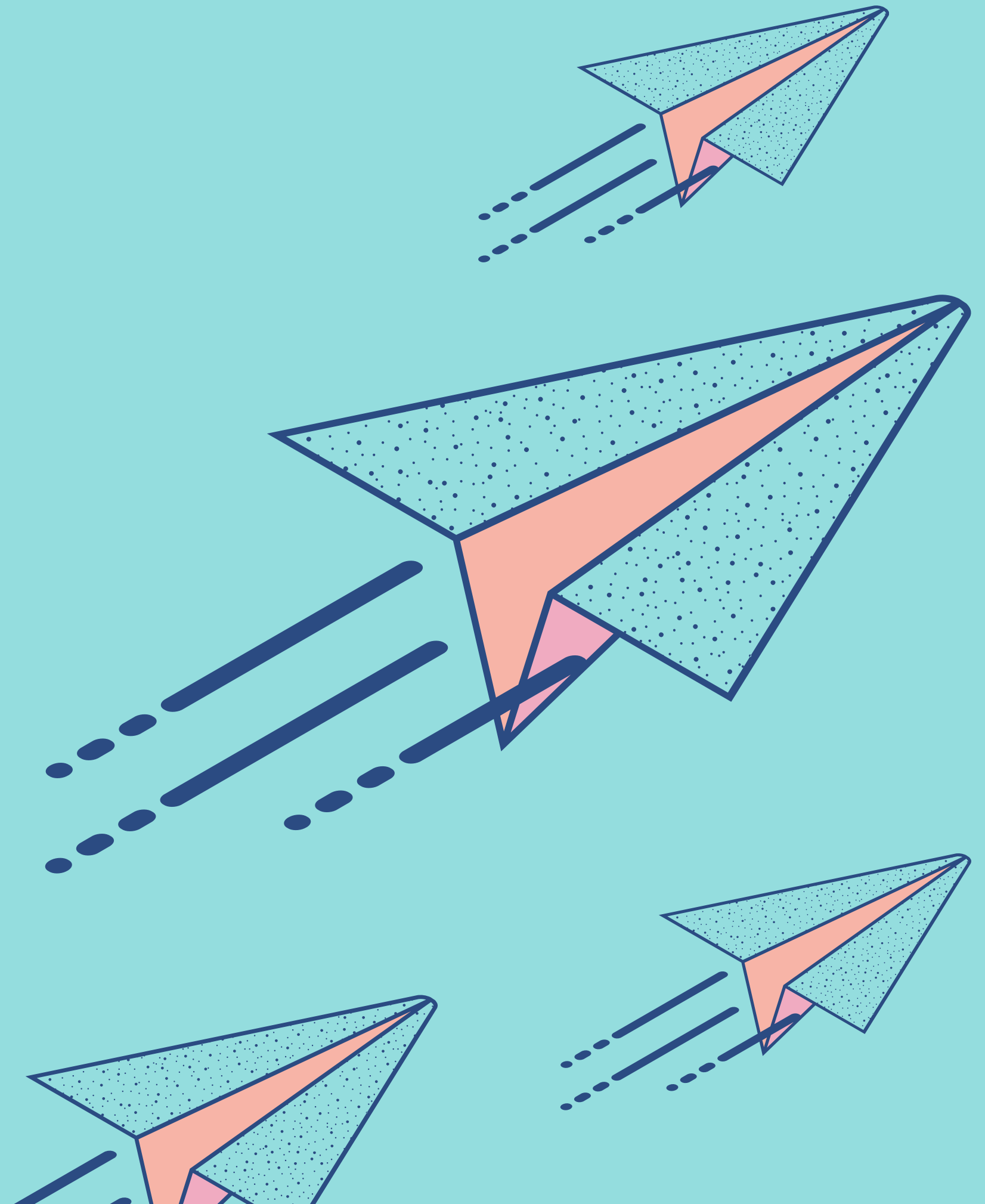


Demo



Conclusion and future scope

In conclusion, this chatbot might be pretty good right now, however there is always room for improvement, for example right now, this chatbot is only for our locality but we can extend it to cities and then even our county. There is also scope for facilitates that can help our elders.



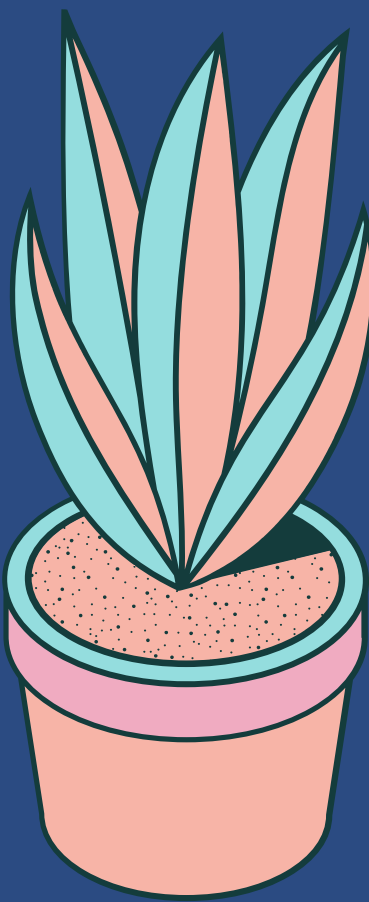
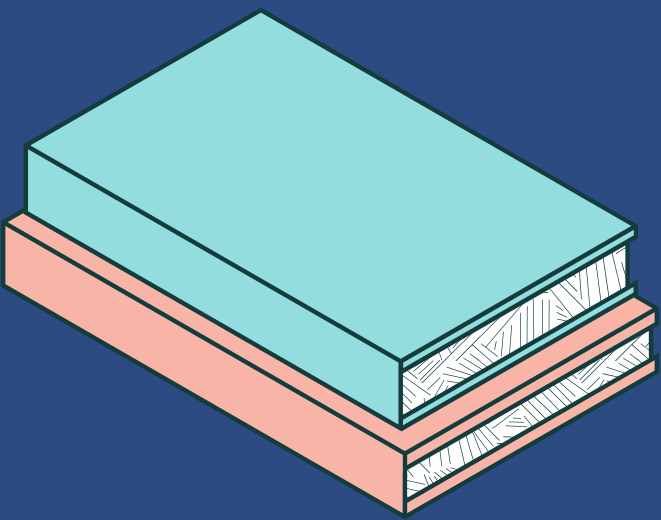
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Thank You

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