



Botpress is a powerful, open-source conversational AI platform designed for building, deploying, and managing chatbots across multiple channels. Its intuitive interface allows users—regardless of technical expertise—to create sophisticated chatbots for a wide range of applications.

Botpress supports natural language understanding (NLU), flexible workflow management, and integrations with popular messaging platforms, making it ideal for educational institutions.

Key Features of Botpress

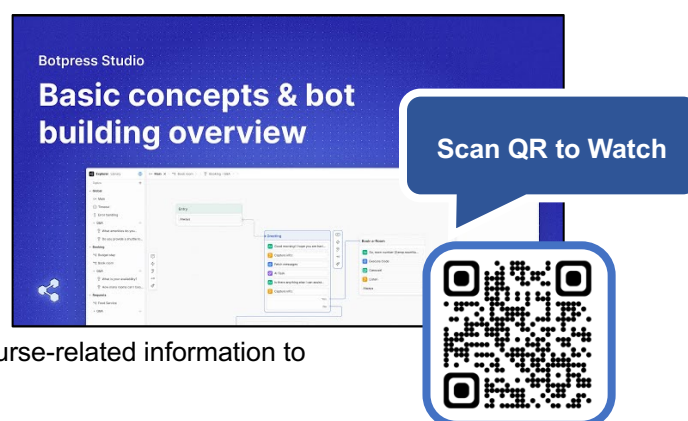
1. **Visual Flow Builder:** A drag-and-drop interface that makes creating and managing conversation flows straightforward and accessible, with no coding experience required.
2. **Natural Language Processing (NLP):** Built-in NLP capabilities to interpret user intent, allowing for more interactive and personalized responses.
3. **Customizability and Extensibility:** Users can add custom code, plugins, or integrations to fit specific requirements.
4. **Deployment Flexibility:** Options to deploy on-premises or in the cloud, giving full control over data security and infrastructure.
5. **Analytics and User Tracking:** Built-in analytics tools to track user interactions, measure performance, and optimize the chatbot over time.



I will update my notes and understanding of using Botpress on this website: https://linktr.ee/21kaw.botpress_tutorial

Video Tutorial

For basic operations of Botpress. You may refer to the videos on Botpress's official channel or the video here: <https://youtu.be/6uf5KEGbjkY>.



Meanwhile, our chatbot here focus on delivering course-related information to students and answer routine queries.

Course Support Chatbot for "BHMS4705 Entrepreneurial Marketing in Practice"

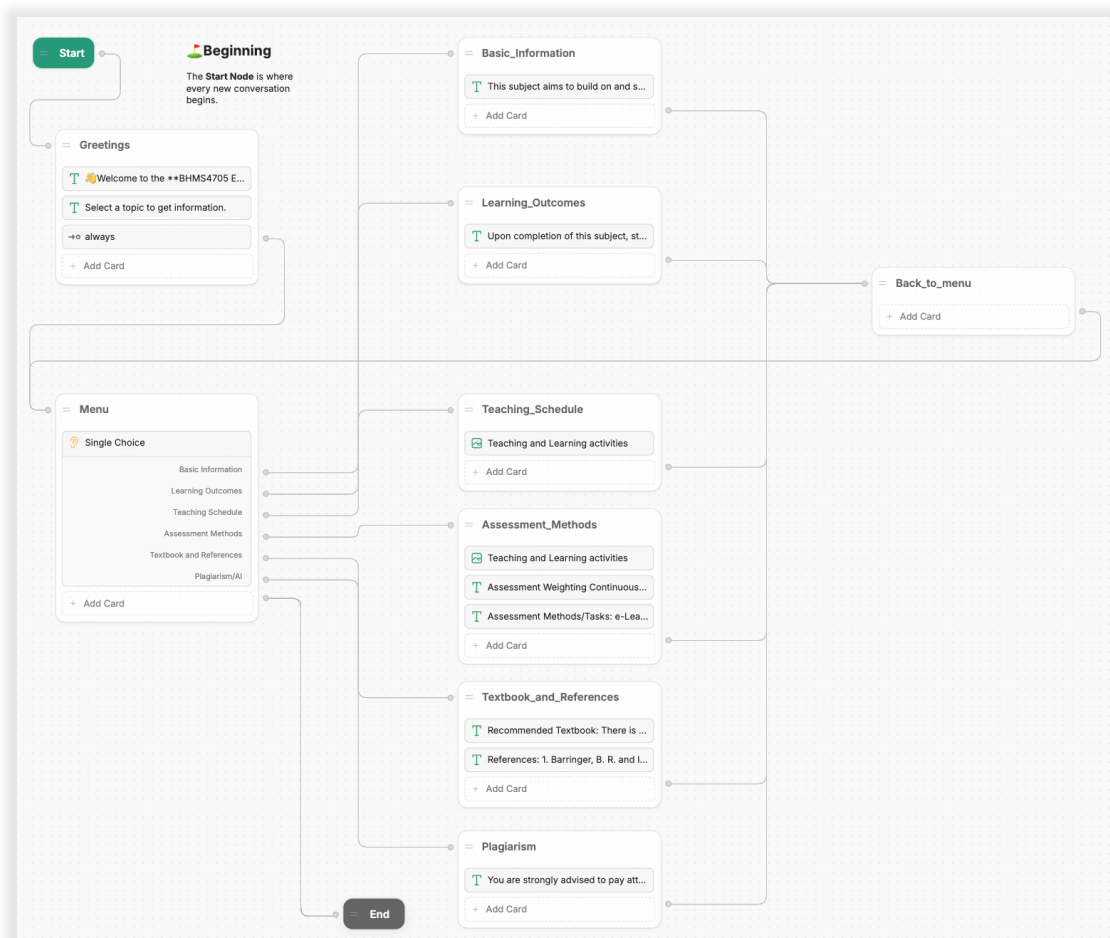


Figure 1. Flow of the course support chatbot.

Through this bot, students can retrieve course-related information independently and at any time, reducing the need for instructor intervention on routine queries. They included:

- **Basic Course Information:** General overview and objectives of the course.
- **Learning Outcomes:** Key competencies and skills students are expected to develop.
- **Teaching Schedule:** Details of the course timeline, important dates, and learning activities.
- **Assessment Methods:** Information on grading criteria, assignment formats, and deadlines.
- **Textbook and References:** Recommended reading materials and books to support learning.
- **Plagiarism and AI Policy:** Guidance on academic integrity, plagiarism, and responsible AI usage in assignments.

Guidelines on Setting-up Course Support Chatbot on Botpress

Components on the Botpress Web UI

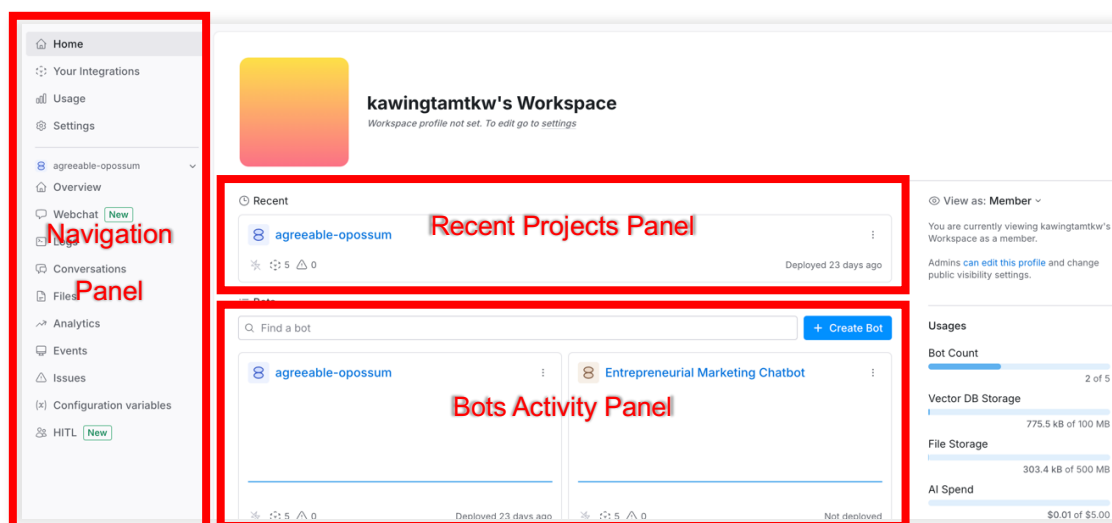


Figure 2. Botpress Workspace.

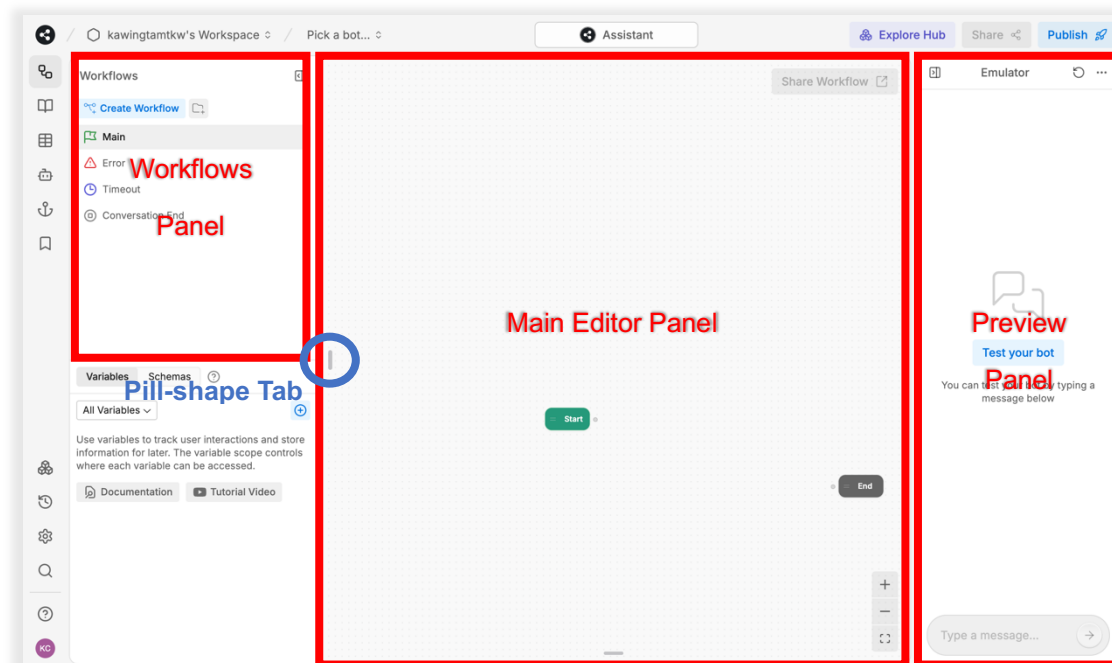
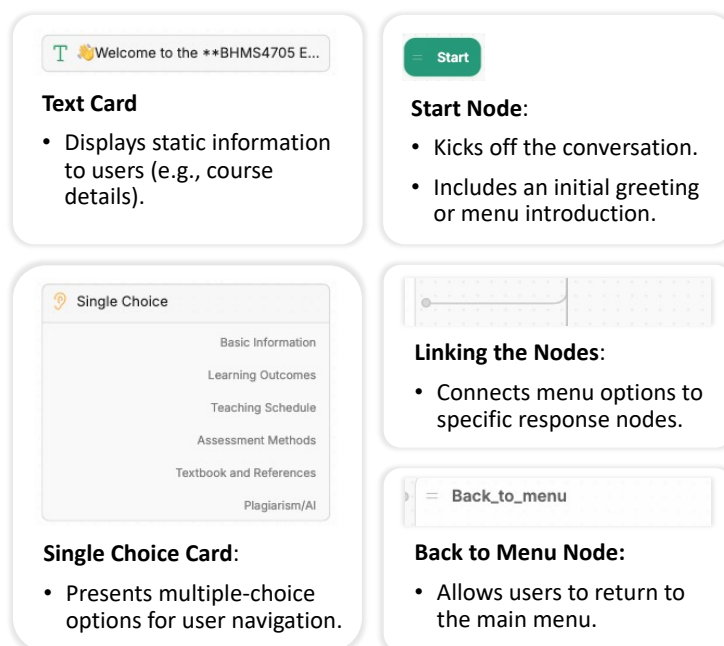


Figure 3. Botpress Studio.

Components for the BHMS4705 Chatbot



- Text Card:**
 - Purpose: Displays static information to users.
 - Use Case: Often used for presenting course details, such as text-based information.
- Start Node:**
 - Purpose: Kicks off the chatbot conversation.
 - Use Case: Includes an initial greeting to guide users into the chatbot flow.
- Single Choice Card:**
 - Purpose: Presents multiple-choice options for user navigation.
 - Use Case: Allows users to select topics, such as “Basic Information,” “Learning Outcomes,” or “Assessment Methods.”
- Linking the Nodes:**
 - Purpose: Connects menu options to specific response nodes.
 - Use Case: Ensures smooth navigation between the menu and respective topic nodes.
- Back to Menu Node:**
 - Purpose: Provides an option for users to return to the main menu.
 - Use Case: Improves user experience by enabling easy navigation back to the starting point.

Registering a New Botpress Account

Step 1: Create a New Botpress Account

1.1. **Visit Botpress Homepage:** If you don't already have an account, go to Botpress Homepage 🌐

botpress.com (figure 4). Then, click [Sign up](#) **Sign up** to proceed.

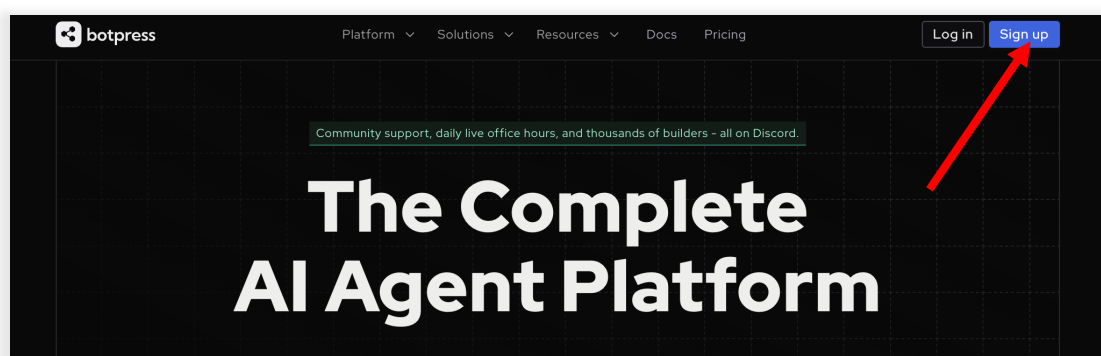


Figure 4. Botpress homepage.

1.2. **Sign Up:** You may sign up with GitHub / Google / Microsoft / LinkedIn or Email. Choose your preferred method to proceed (figure 5).

To sign up with email, input your email address and a new password for Botpress. Then click

[Sign up with Email](#) **Sign up with Email.**

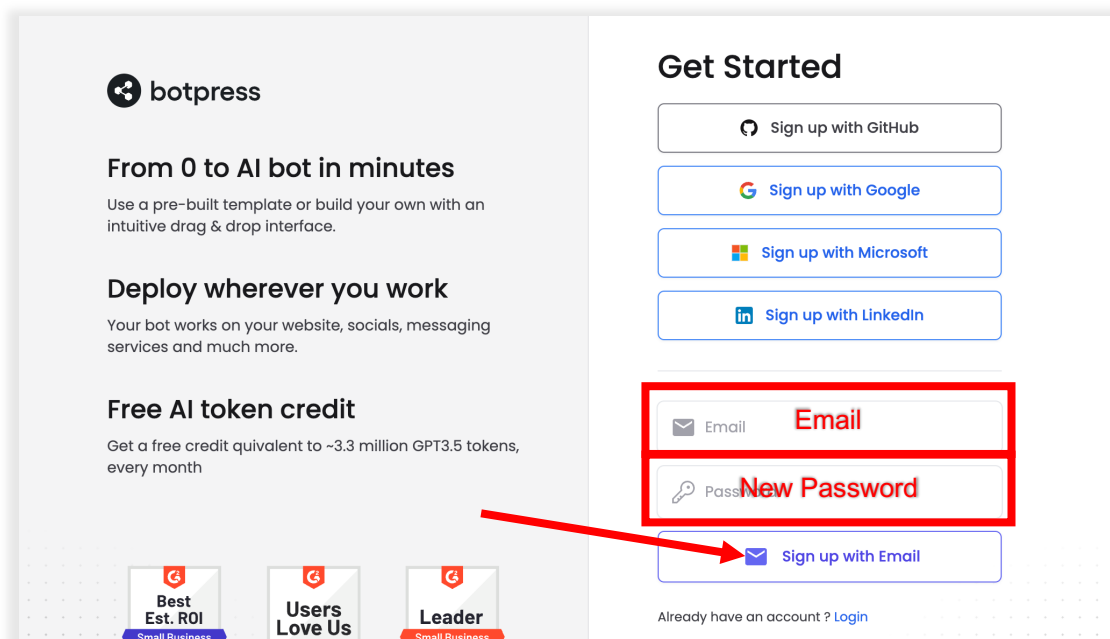


Figure 5. Botpress sign up page.

Step 2: Verify Your New Botpress Account

2.1. Request Email Verification: Your browser will be redirected to **Botpress Workspace**

app.botpress.cloud. You will need to complete an email verification before starting your works.

To start the email verification, click **Verify now** **Verify now** (figure 6). Then, input your registered email on the next screen and click [Send verification email](#) **Send verification email** (figure 7).

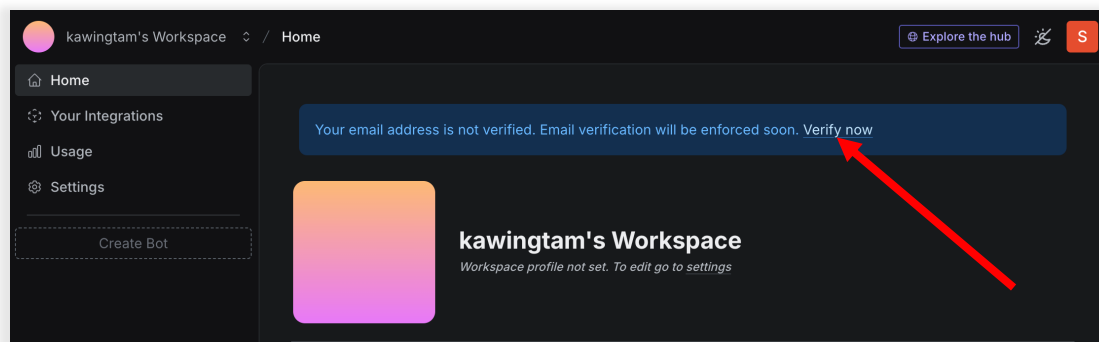


Figure 6. Verification banner on Botpress Workspace.

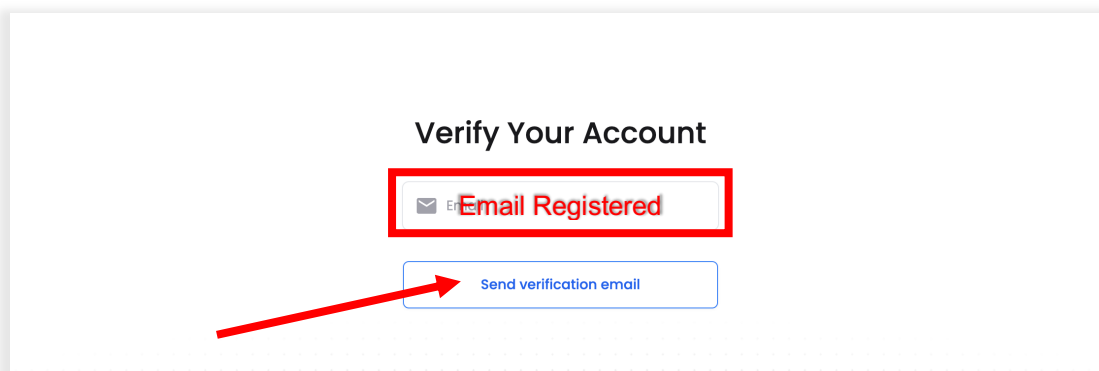


Figure 7. Botpress email verification page.

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2.2. Setup from Verify Email: Visit the email inbox that you've registered with Botpress. Open the email from Botpress Cloud (figure 8), titled **"Verify your Botpress Cloud account"**. Then click

Verify account (figure 9).

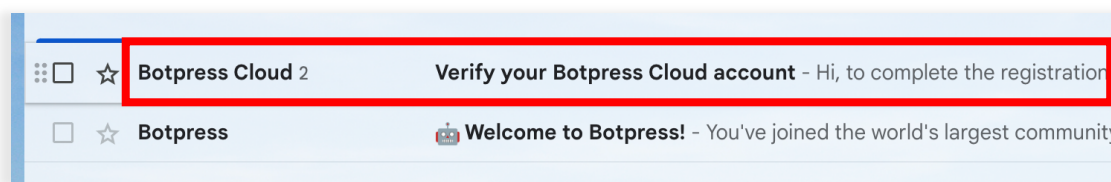


Figure 8. Verification email from Botpress.

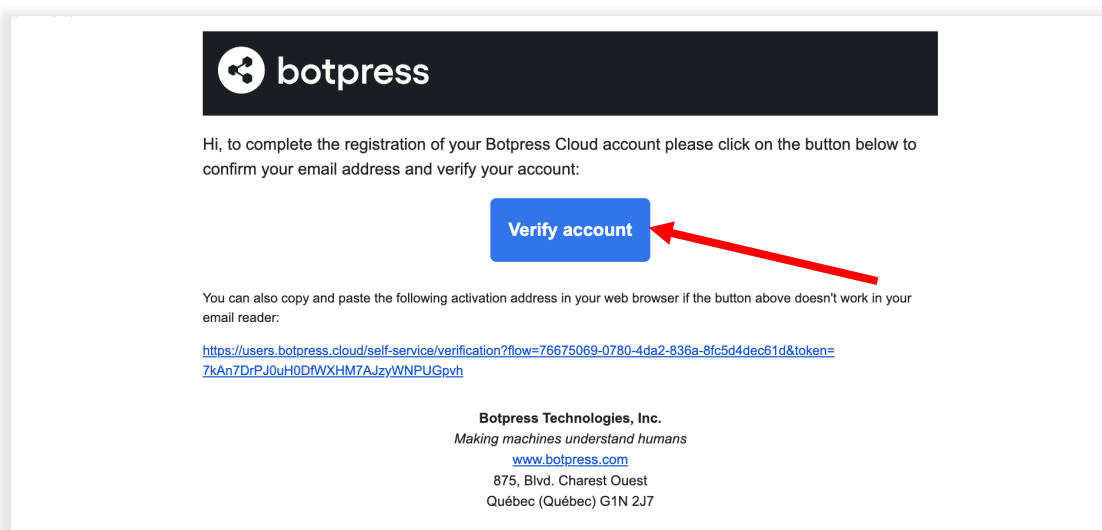


Figure 9. Content of the verification email from Botpress.

You will be redirected back to Botpress Cloud after the verification (figure 10). Then, your newly created account is ready for use.

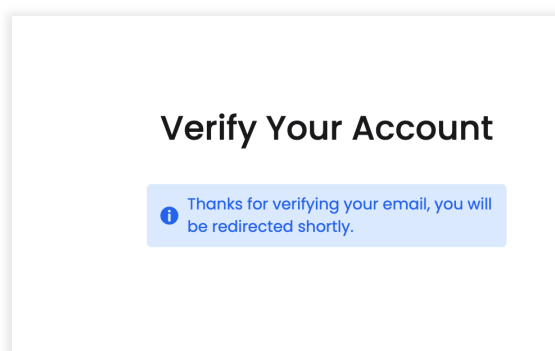




Figure 10. Verification successful message.

Setting-up a Course Support Chatbot

Step 1: Create a New Chatbot in Botpress Dashboard

1.1. **Login and visit your workspace:** Visit **Botpress Workspace**  app.botpress.cloud.

If you don't already have an account, follow the previous section to register a new account.

1.2. **Start a New Project:** Once logged in (figure 11), click on  **Create Bot** to start a new chatbot project. Name the bot according to your course or subject (e.g., "Entrepreneurial Marketing Chatbot"). Then, click  **Create** to proceed.

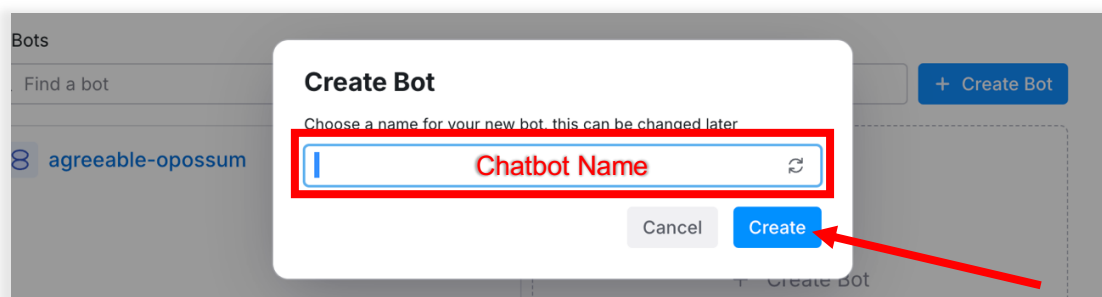
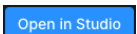


Figure 11. Dialog for chatbot creation.

1.3. **Go to Editor:** You will see a message (figure 12) when the bot is created successfully. Click on  **Open in Studio**.

You will be redirected to Botpress studio for editing the chat flow.

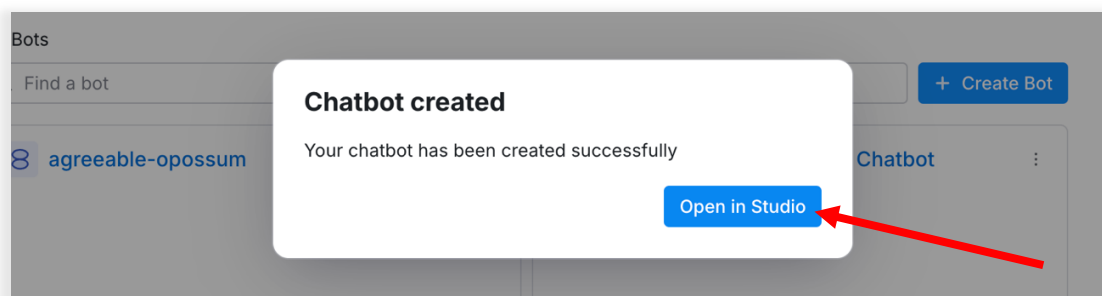


Figure 12. Successful message on chatbot creation.

Guidelines on Setting-up Course Support Chatbot on Botpress

Step 2: Create Nodes and Define the Flow

2.1. Setup from Template:

- From the **Template Gallery** (figure 13), select option **Start from Scratch**. Then click on

[Use Template →](#) **Use Template.**

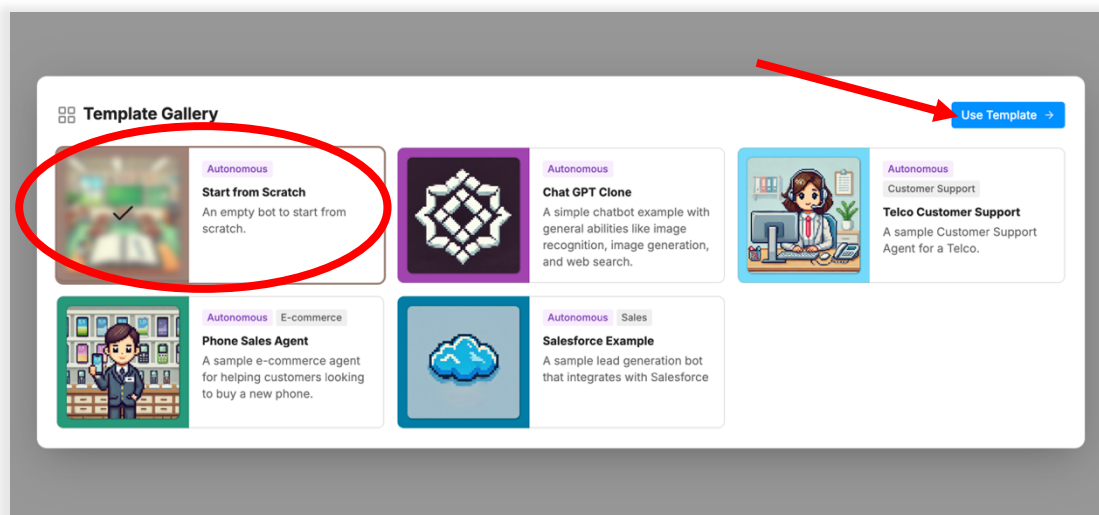


Figure 13. Botpress template galley.

- From the navigation menu on the left (figure 14), click on **Workflows**.

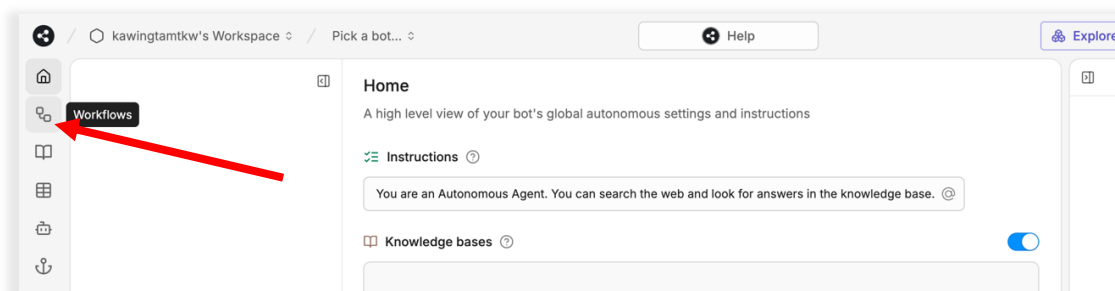


Figure 14. Workflows navigation menu in Botpress Studio.

Guidelines on Setting-up Course Support Chatbot on Botpress

- In the workflow editor (figure 15), all flows are located in the middle of the screen. Remove the predefined nodes (circled in figure 15), except the nodes labelled with “Start” and “End”.

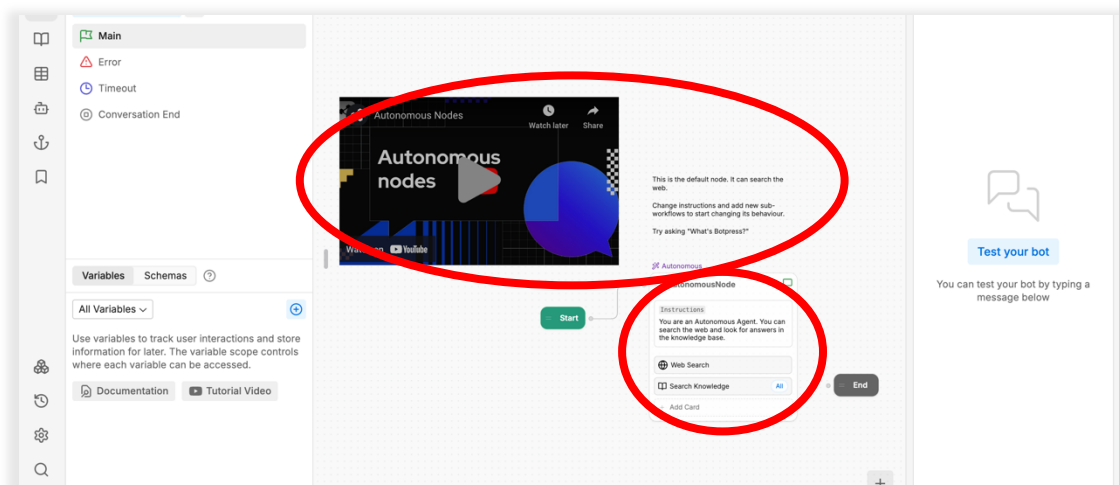


Figure 15. Template's predefined nodes.

- Right click on a node, then select **Delete Node** to remove.
- Your workflow editor should remained with “Start” and “End” nodes (figure 16).

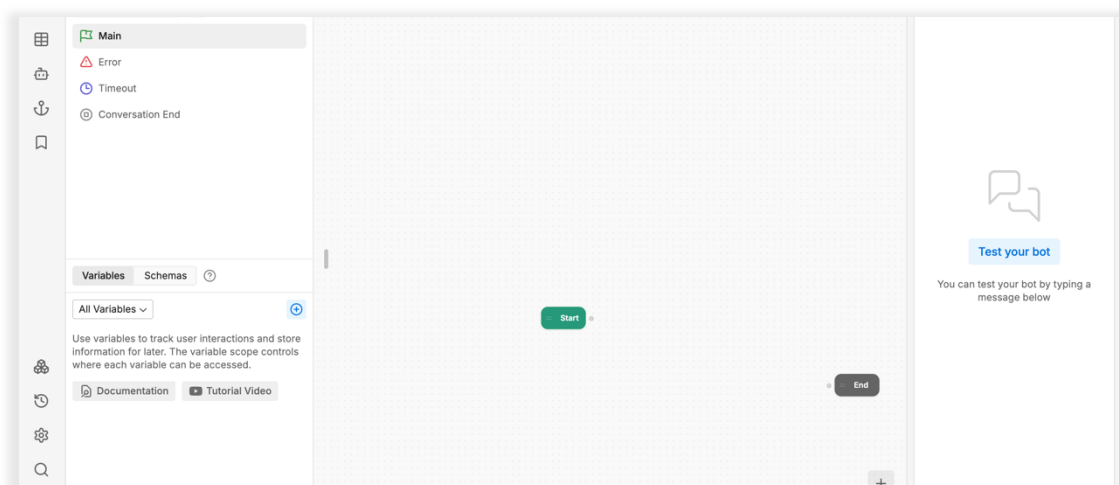


Figure 16. Workflow editor after removing predefined nodes.

2.2. Set Up a Text Node for Showing Message to User:

- In the workflow editor (figure 17), your connected flows are located in the middle of the screen. You will add node elements at the middle panel.
- To add new element, hover on the **Pill-shape Tab** (circled in figure 17) located at the middle-left of the main editor. A cards panel will show up.
- Click **Keep Open** (circled in figure 17) located at the top-right of the cards panel to keep the panel pinned.

Guidelines on Setting-up Course Support Chatbot on Botpress

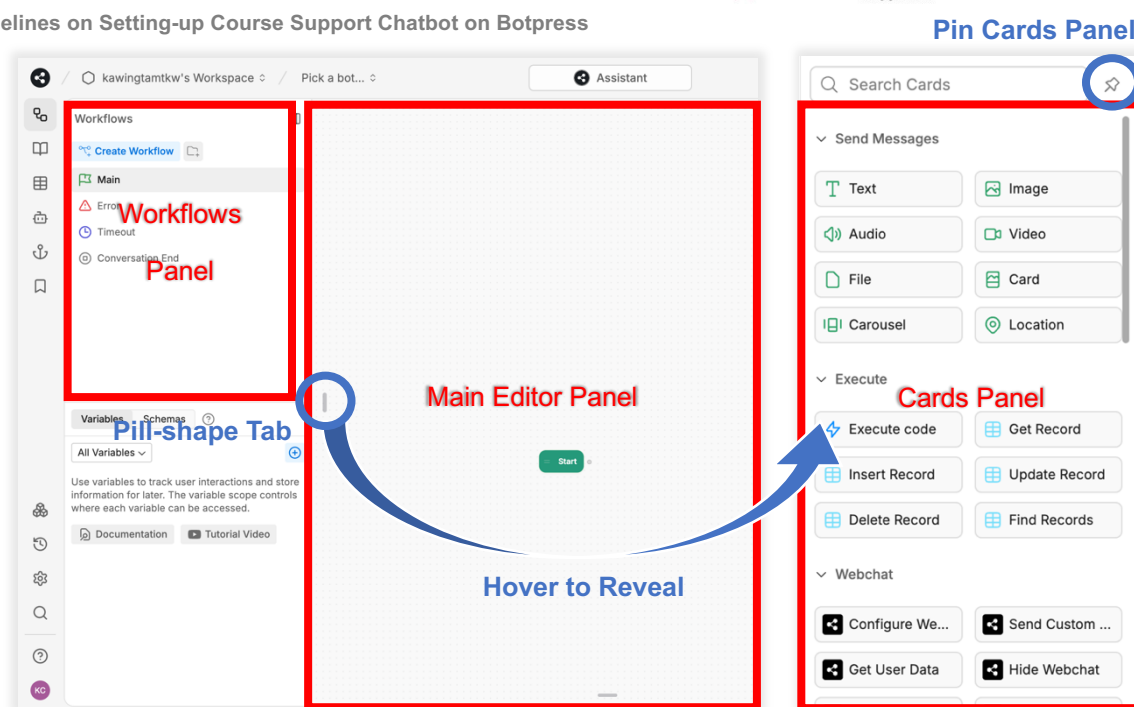


Figure 17. Botpress Studio.

- Go to the main editor and find the **Start Node**. This node initiates the conversation.
- From the **Cards Panel** drag a **Text Card** (figure 18) to the main editor panel. It sends a greeting message to welcome students. For **Message to send** (figure 19), input your message to send to the student. For example, "👋 Welcome to the BHMS4705 Entrepreneurial Marketing in Practice chatbot. Select a topic to get information."

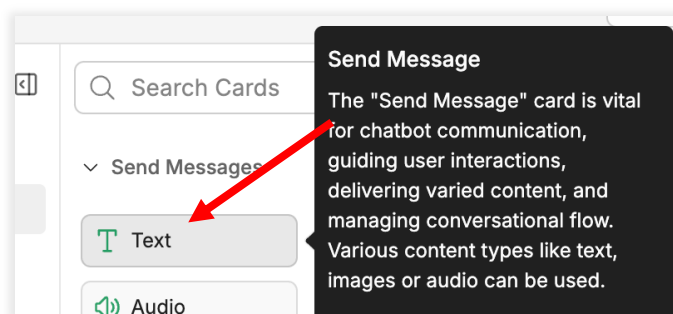


Figure 18. Text Card element from Cards Panel.

Guidelines on Setting-up Course Support Chatbot on Botpress

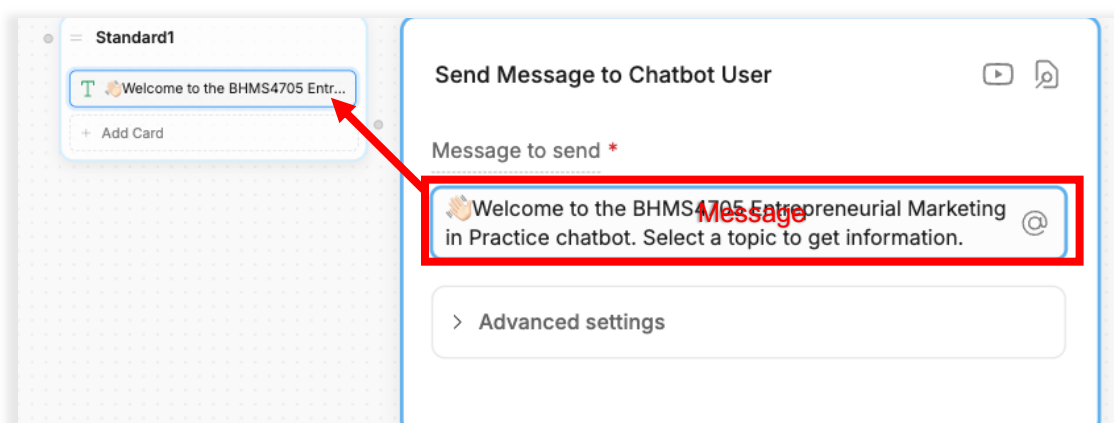


Figure 19. Editing the message to send from a Text Card.

2.3. Create a Selection Card for Single Choice:

- Drag a **Single Choice** Card (figure 20) to the main editor panel after the greeting.
- Then, rename it to “Menu” (figure 21).

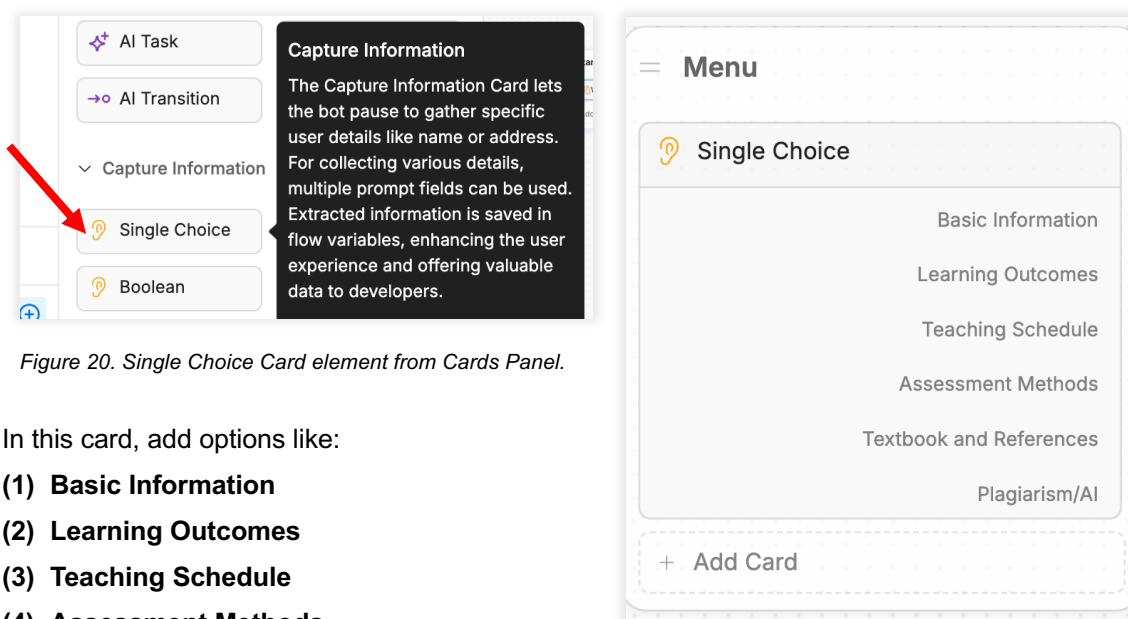


Figure 20. Single Choice Card element from Cards Panel.


In this card, add options like:

- (1) **Basic Information**
- (2) **Learning Outcomes**
- (3) **Teaching Schedule**
- (4) **Assessment Methods**
- (5) **Textbook and References**
- (6) **Plagiarism/AI**

Figure 21. A completed Single Choice Card.

Guidelines on Setting-up Course Support Chatbot on Botpress

2.4. Add Text Cards and Answer Nodes:

- Create a separate node for sending detailed responses for each menu option.
- Drag a  Text **Text Card** to the main editor panel to deliver information on the topic.
Customize the content according to each subject's requirements.
- Then, for each card, provide a title (e.g., "Teaching_Schedule") and relevant content that gives students detailed answers.

 **Repeat STEP 2.2 for creating all respective text nodes.**

2.5. Link the Menu Options to Nodes:

- Connect each option in the menu to a respective node (figure 22) as follows:
Basic Information: Create a node to explain basic details about the course, objectives, and structure.
Learning Outcomes: Create a node to list or explain the learning outcomes of the course.
Teaching Schedule: Create a node with information on the schedule, key dates, and learning activities.
Assessment Methods: Create a node to describe assessment methods, grading policies, and deadlines.
Textbook and References: Create a node to list required textbooks, reference materials, and any additional reading.
Plagiarism/AI: Create a node with guidance on academic integrity, plagiarism policy, and AI usage in assignments.

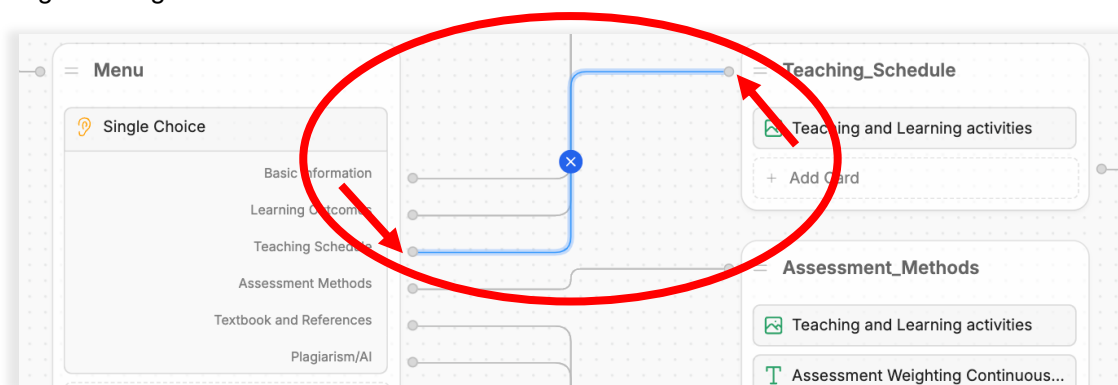


Figure 22. Connected nodes.

Guidelines on Setting-up Course Support Chatbot on Botpress

2.6. Setup an Empty Node Returning to the Menu:

- Drag a **Text Card**, then remove the text content from the node to make it empty (circled in figure 23).
- Rename the empty node as **Back_to_menu**.

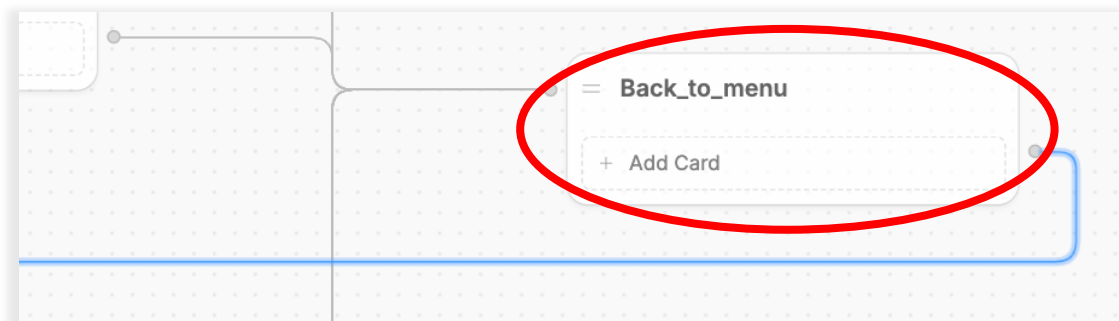


Figure 23. Back to menu node.

- Then, connect the **Back_to_menu** node to the end of each questions' answer node (blue line in figure 23).

Step 3: Test the Chatbot

- 3.1. Use the **Emulator** **Preview Feature** to test your chatbot and ensure that all nodes and links work as expected. Then, update any content, fix node connections, or add new features as needed.

Step 4: Deploy and Share

4.1. Deploy the Chatbot:

Follow Botpress's instructions to deploy the bot. You can **Publish** **Embed** it in a course website or **Share** it via link.

4.2. Provide Access:

Share the bot link with students and teachers, so they can access it easily and get quick answers to their questions.

Editing the Chatbot After Initial Creation

Step 1: Login to Botpress

1.1. Visit the Botpress Workspace:

- Open your web browser and go to **Botpress Workspace** app.botpress.cloud.
- You will see the login page (figure 24). Enter your email and password to log in. You may sign in with GitHub / Google / Microsoft / LinkedIn or Email if you've registered using this method.
- To sign in with email, input your email address and a password for Botpress. Then click

 **Login with Email.**

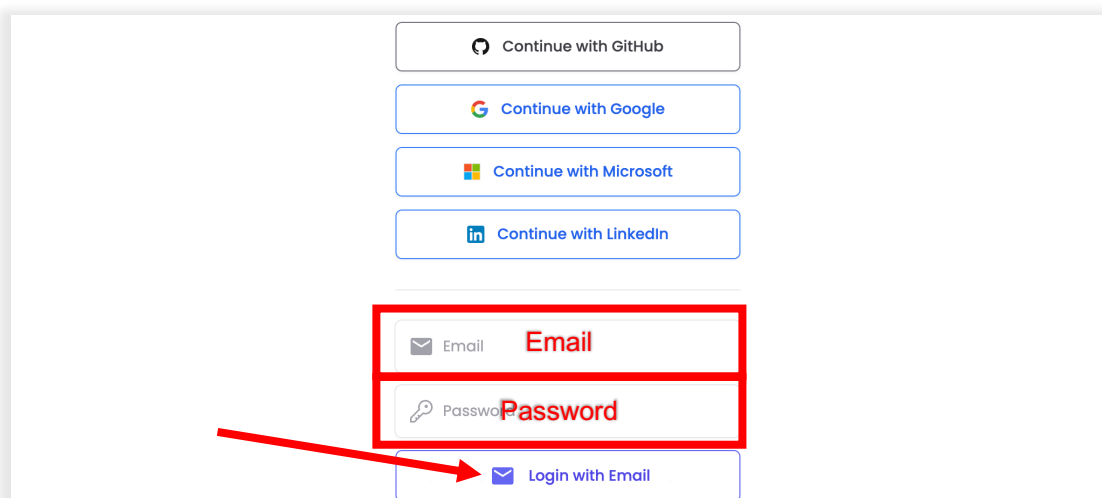


Figure 24. Botpress login page.

1.2. Access the Workspace Dashboard:

- After logging in, you will be directed to your workspace dashboard (figure 25).

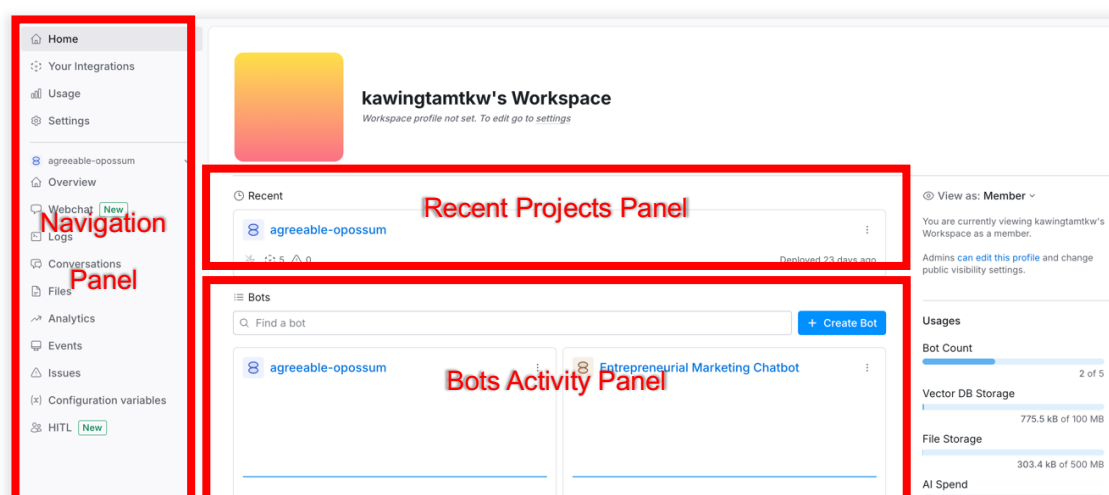


Figure 25. Botpress Workspace.

Guidelines on Setting-up Course Support Chatbot on Botpress

- You may find your recently created chatbot from the ⌚ Recent **Recent Projects Panel**.
- If you can't find the chatbot, please browse the ☰ Bots **Bots Activity Panel**.

Step 2: Open Your Project

2.1. Find Your Chatbot:

- In the workspace dashboard, look for the chatbot project you created (e.g., "Entrepreneurial Marketing Chatbot").

2.2. Open in Studio:

- **Hover** on the right of the project name to reveal the button [Edit in Studio](#) **Edit in Studio** (figure 26). You will be redirected to **Botpress Studio** studio.botpress.cloud for editing your chatbot.

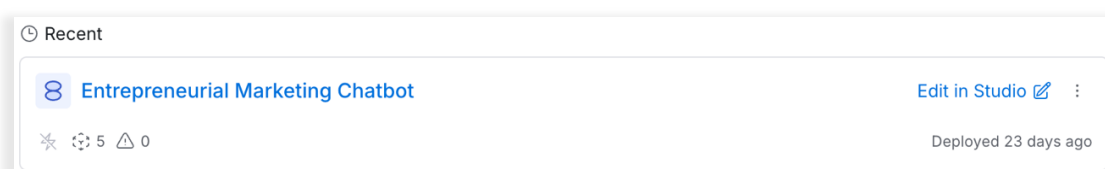


Figure 26. Recent Projects panel on Botpress Workspace.

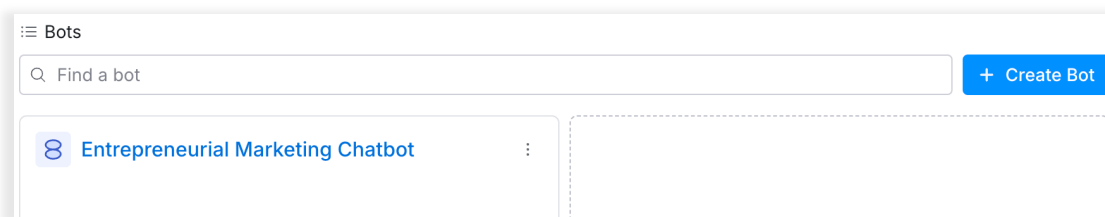


Figure 27. Bots Activity panel on Botpress Workspace.

2.3. Edit Your Chatbot:

- To modify specific information in your chatbot, refer to **STEP 2.2** from the "Setting-up a Course Support Chatbot" section. This will guide you through adding or editing text nodes, updating the content in **Text Cards** or **Answer Nodes**, and making other necessary adjustments.
- After editing, follow **STEP 4** from the "Setting-up a Course Support Chatbot" section to test your chatbot using the **Preview** feature and ensure all links and updates are functioning as expected.