

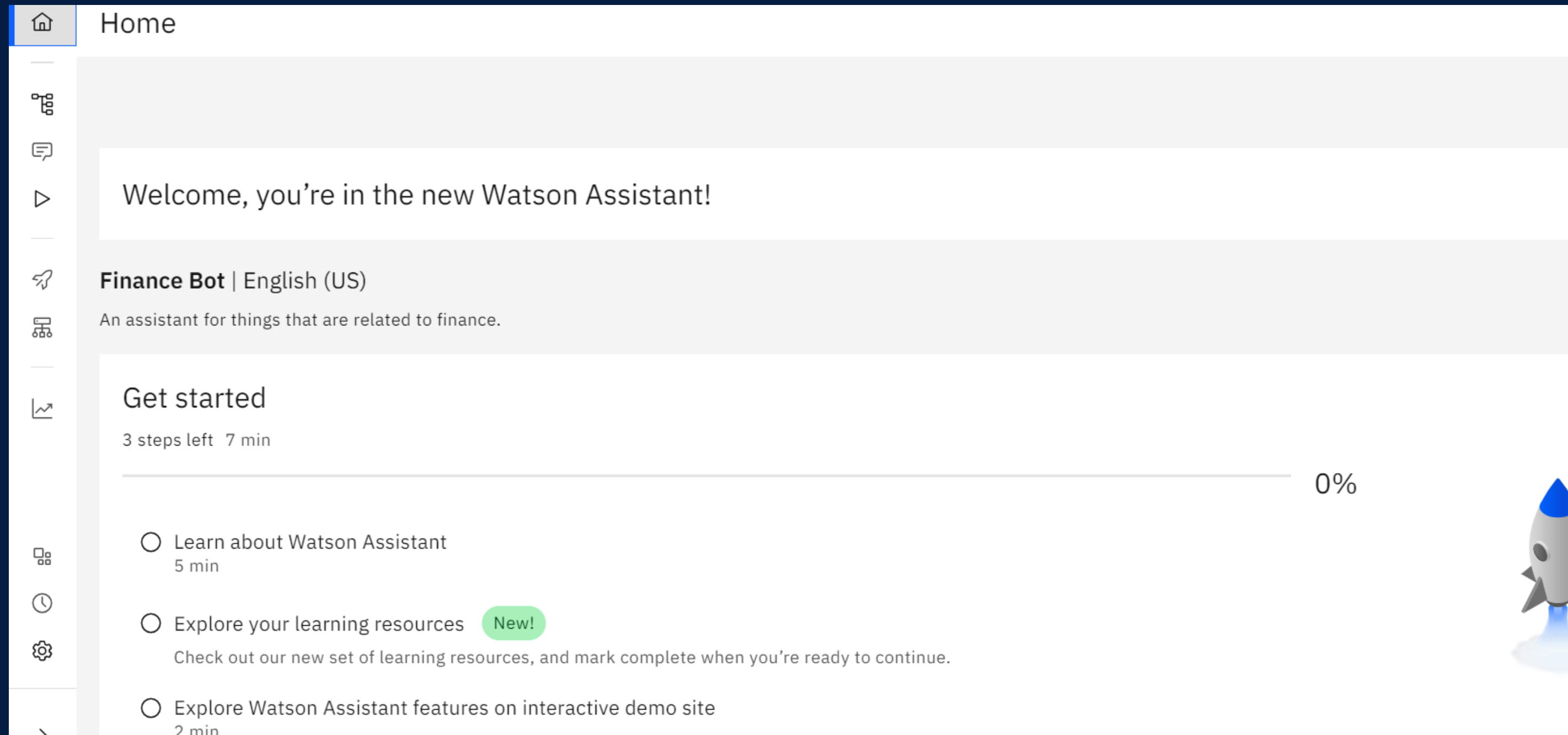


# FINANCE CHATBOT : PROFIT

*By- Darsh, Akshat & Navya*



# INTRODUCTION



*Our chatbot, PROFIT, specialises in finance. Therefore, every question related to finance could be answered by it!*

# PROCESS

The screenshot displays the IBM Watson Assistant Lite web interface. The top navigation bar includes 'IBM watsonx Assistant Lite', an 'Upgrade' link, a dropdown menu for 'Finance Bot', and a 'Learning resources' link with a user profile icon. The left sidebar contains a 'Dialog' section with a search bar and a 'Try it' button, and a list of menu items: 'Intents' (highlighted), 'Entities' (with a sub-menu for 'My Entities' and 'System Entities'), 'Dialog', 'Options' (with sub-items: 'Webhooks', 'Disambiguation', 'Autocorrection', 'Algorithm Version', 'Upload / Download'), and 'Content Catalog'. The main area shows the 'Intents' management page. It features a table with columns for 'Intents (8) ↑', 'Description', 'Modified ↑↓', and 'Examples ↑↓'. The table lists eight intents: '#frequents\_finance\_in\_ai' (2 days ago, 2 examples), '#goodbye' (7 days ago, 5 examples), '#greetings' (7 days ago, 5 examples), '#share\_market\_basics' (a day ago, 5 examples), '#stock\_market\_FAQS' (a day ago, 9 examples), and '#thank\_you' (7 days ago, 5 examples). A 'Create intent +' button is located at the top right of the table. At the bottom, it indicates 'Showing 1-8 of 8 intents' and '1 of 1 pages'.

Intents (8) ↑	Description	Modified ↑↓	Examples ↑↓
<input type="checkbox"/>	#frequents_finance_in_ai	2 days ago	2
<input type="checkbox"/>	#goodbye	7 days ago	5
<input type="checkbox"/>	#greetings	7 days ago	5
<input type="checkbox"/>	#share_market_basics	a day ago	5
<input type="checkbox"/>	#stock_market_FAQS	a day ago	9
<input type="checkbox"/>	#thank_you	7 days ago	5

When creating a chatbot, it is very important for a developer to know what type of questions a user would use. So we started to create the chatbot by putting the inputs in the INTENTS Section.

# PROCESS - 2

The screenshot shows the Dialog AI interface. On the left is a sidebar with navigation icons and labels: Dialog, Intents, Entities (expanded), My Entities (selected), System Entities, Dialog, Options (expanded), Webhooks, Disambiguation, Autocorrection, Algorithm Version, Upload / Download, and Content Catalog. The main area displays a table of entities. At the top right of the table area is a 'Try it' search bar and a 'Create entity +' button. The table has columns for checkboxes, entity names, values, and modification times. The entities listed are: @AI\_in\_finance, @careers\_in\_finance, @financial\_terms, @share\_market\_basics, and @Stock\_market\_faqs. At the bottom of the table area, it says 'Showing 1-5 of 5 entities' and '1 of 1 pages' with navigation arrows.

<input type="checkbox"/>	Entity (5) ↑	Values	Modified ↑↓
<input type="checkbox"/>	@AI_in_finance	customer, finance, financial systems, impact, privacy, unethical	8 hours ago
<input type="checkbox"/>	@careers_in_finance	auditor, accountant, capital manager, average pay, careers, lender, market an...	8 hours ago
<input type="checkbox"/>	@financial_terms	financial terms, asset, liability, balance sheet, cash flow, compound interest, ...	11 hours ago
<input type="checkbox"/>	@share_market_basics	stock, share, stock market, price	a day ago
<input type="checkbox"/>	@Stock_market_faqs	transfer, bottoming, Stock markets, Demat account, trading account, demat, t...	13 hours ago

To give the exact response to the user about their doubt, it is important to write entities as they cover the keywords present in the questions written by the user.

# PROCESS - 3

The screenshot displays the IBM Watsonx Assistant Lite interface for a 'Finance Bot'. The top navigation bar includes 'IBM watsonx Assistant Lite', an 'Upgrade' button, the bot name 'Finance Bot', and a 'Learning resources' link. The main interface is divided into a left sidebar and a central workspace. The sidebar contains a 'Dialog' section with a tree view including 'Intents', 'Entities' (with 'My Entities' and 'System Entities' sub-items), 'Options' (with 'Webhooks', 'Disambiguation', 'Autocorrection', 'Algorithm Version', and 'Upload / Download' sub-items), and 'Content Catalog'. The central workspace shows a dialog flow diagram with three main nodes: 1. A root node labeled '0 Responses / 0 Context Set / Return allowed'. 2. An intent node 'share market basics' with the entity '#share\_market\_basics', marked with a blue checkmark and labeled '1 Responses / 0 Context Set / Does not return'. 3. An entity node '@share\_market\_basics' labeled '0 Responses / 0 Context Set / Return allowed'. Below these, there is another intent node 'Stock market FAQs' with the entity '#stock\_market\_FAQS', also marked with a blue checkmark and labeled '1 Responses / 0 Context Set / Does not return', followed by an entity node '@Stock\_market\_faqs'. At the top of the workspace, there are three buttons: 'Add node' (blue), 'Add child node' (grey), and 'Add folder' (dark grey). A search bar with a magnifying glass icon and a 'Try it' button is located in the top right corner of the workspace.

By giving the exact information of the questions asked by the user, our chatbot is ready for the questions the world has prepared for it!

# ***Link to our ChatBot, Profit***

<https://au-syd.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2Ffdad6e6088774646a99a1e3aabb13c82%3A1a4d0f46-8c40-4309-be47-36906e5c4790%3A%3A/assistants/25cc3455-e4f1-4c54-8c6c-d3605aaca41/preview>

**WHY DID WE CHOOSE TO  
CREATE A FINANCING  
CHATBOT?**

# *Bibliography*

- <https://montrealethics.ai/ai-in-finance-8-frequently-asked-questions/>
- <https://www.tradebulls.in/faqs/share-market-basics>
- <https://www.adigitalblogger.com/trading/faqs/stock-market-questions-and-answers/>
- <https://www.investopedia.com/terms/f/finance.asp#toc-careers-in-finance>





**ANY  
QUESTIONS?**



**THANK YOU**