



Price Negotiator E-commerce  
Chatbot System

P11 - Group 1

AIDI-1003 Capstone Project

Agenda

Introduction

Project Brief

Work Plan



# Agenda

- Introduction
  - Team
  - Target Client
  - Executive Summary
- Project Brief
  - Project Architecture
  - Technologies
  - Front-end Design
    - website
    - chatbot
  - Flow Chart
- Work Plan
  - Gantt Chart



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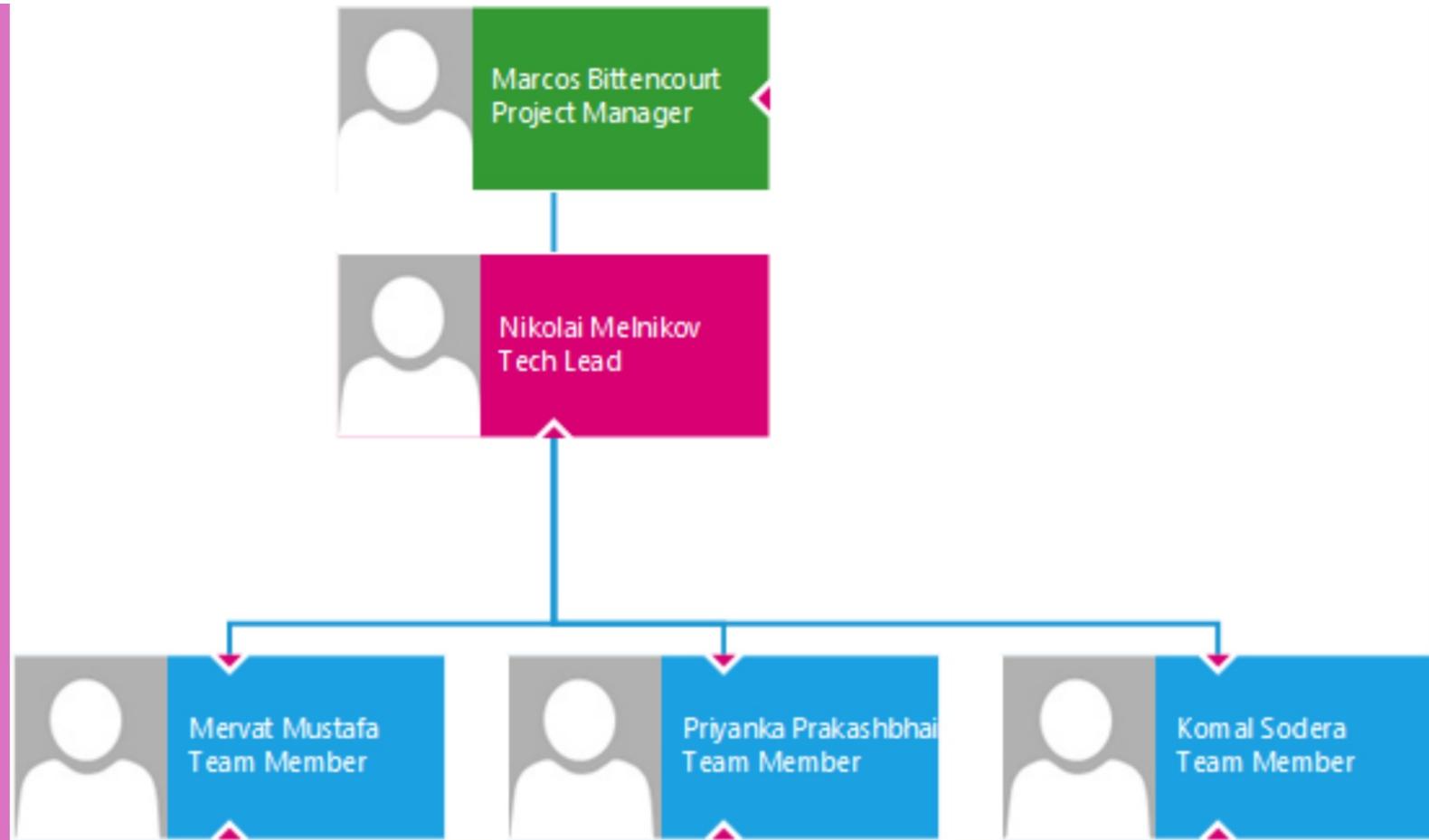
# Introduction



Team

Target Client

Executive Summary



# **Introduction**



**Team**

**Target Client**

**Executive Summary**

# Customer Services Department



# **Introduction**



**Team**

**Target Client**

**Executive Summary**

# Executive Summary

## Problem



## Solution



## Result



**Negotiating Prices with  
Customers**

**Chatbot Prices  
Negotiator**

# Introduction



Team

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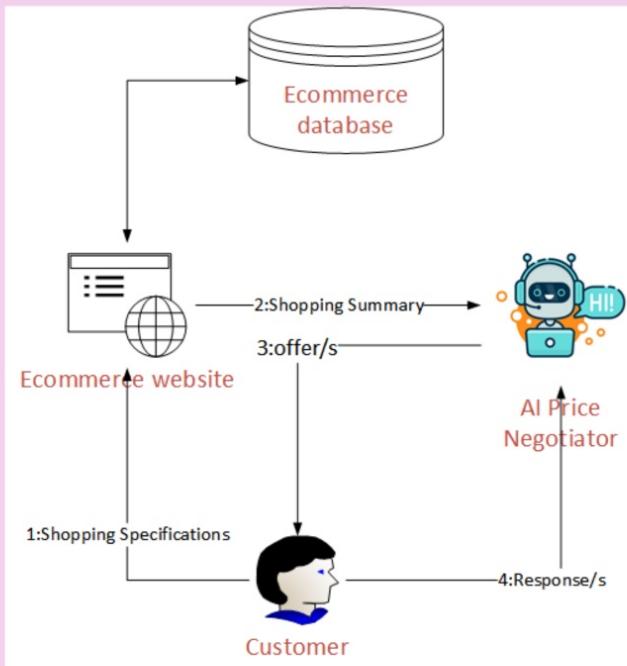
Introduction

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## Project Architecture



Technologies

Front-end  
design

Initial flow  
chart

# Technologies to use

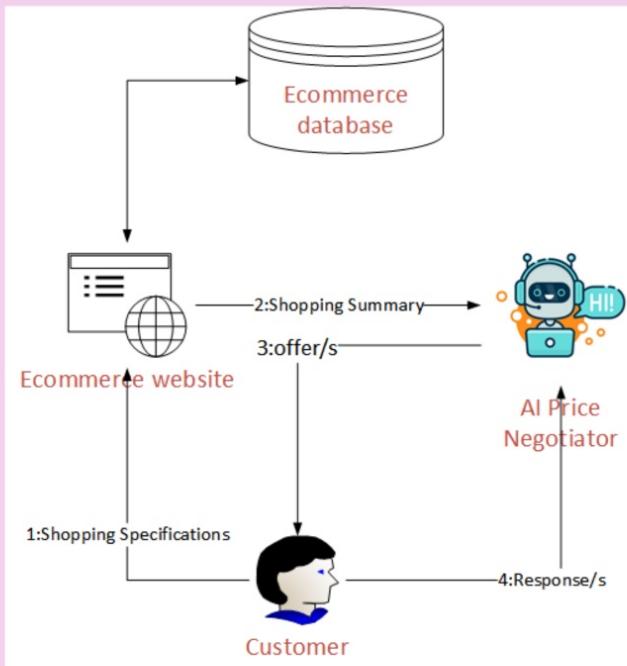
**Django** - Application's Core. Handles requests and sends HTTP Template responses to update front-end.

**HTML/CSS** - Chatbot's front-end. Sends and receives data from Django's back-end.

**TensorFlow, Pandas, NLTK** - Libraries used in Django application to build and use machine learning models with Natural Language Processing



## Project Architecture



Technologies

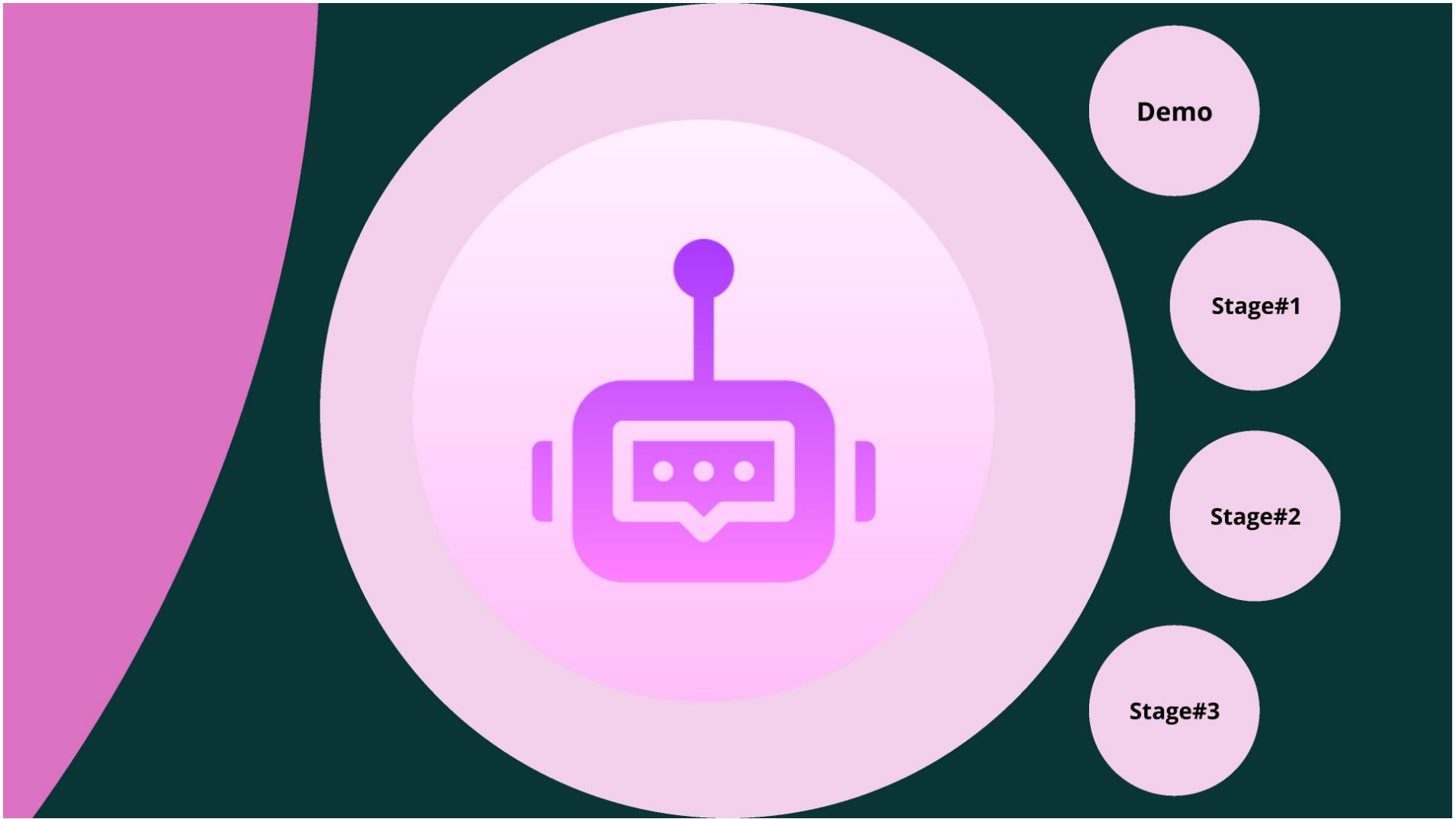
Front-end  
design

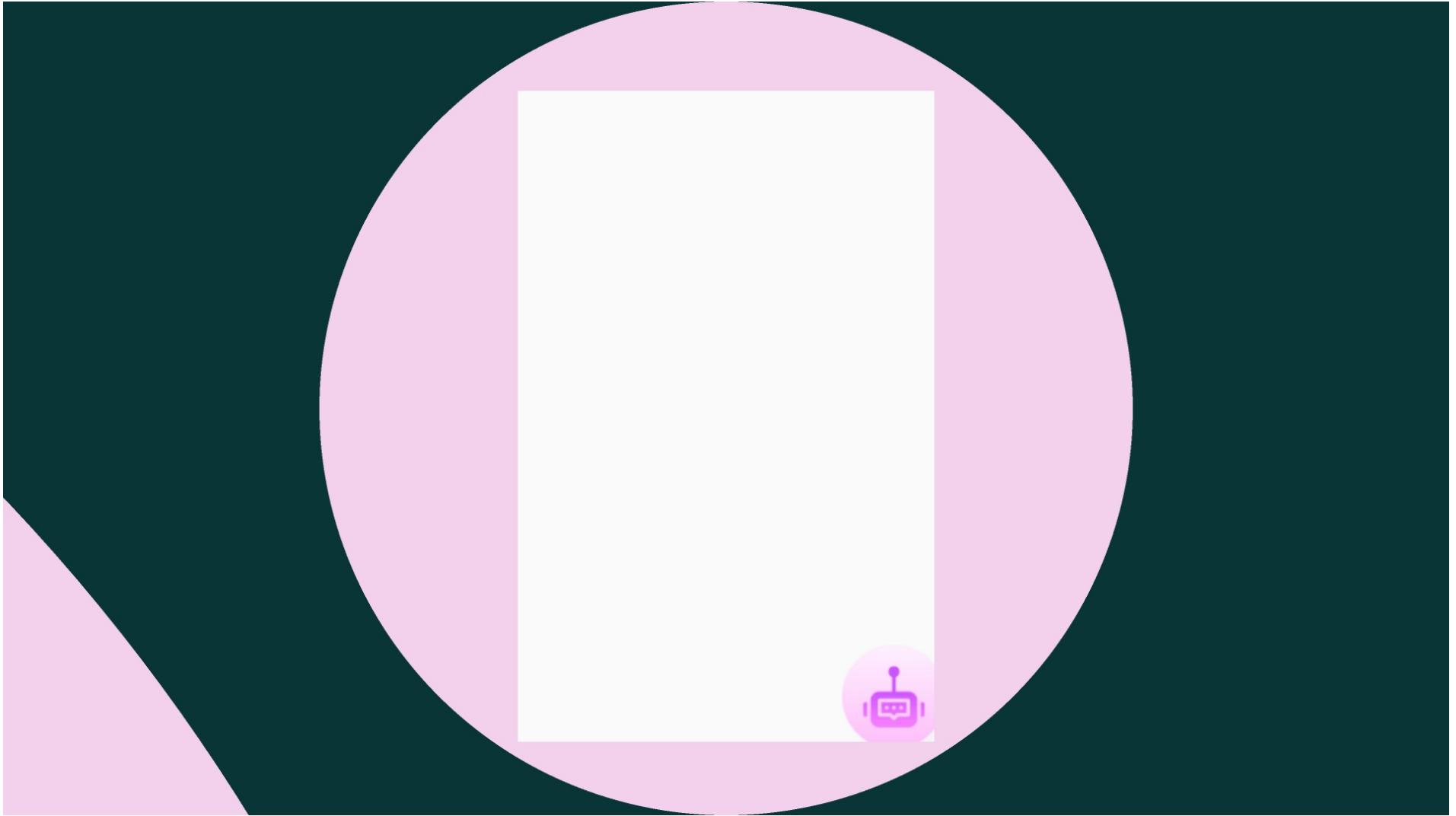
Initial flow  
chart

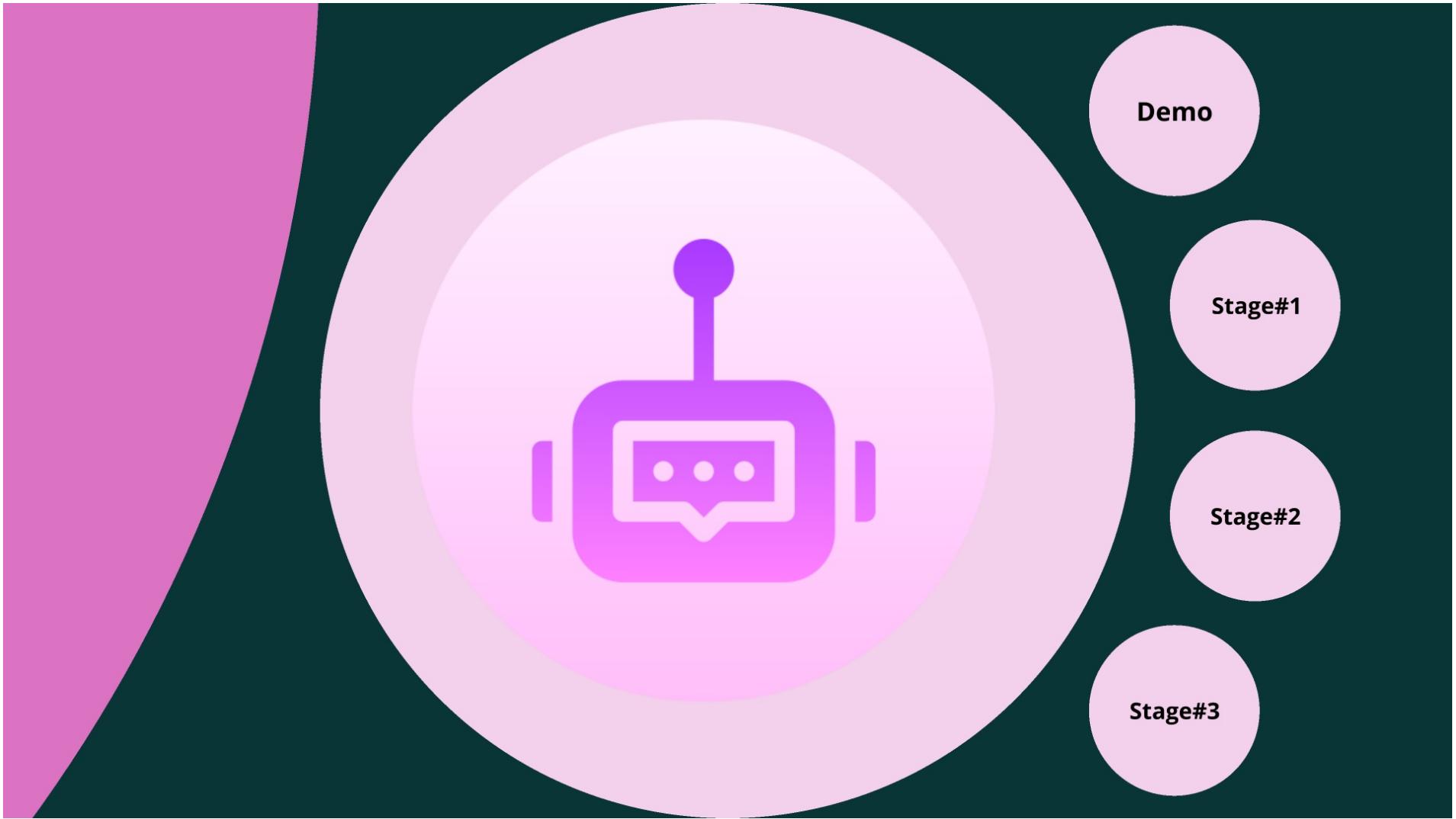


**E-Commerce  
website**

**Chatbot**



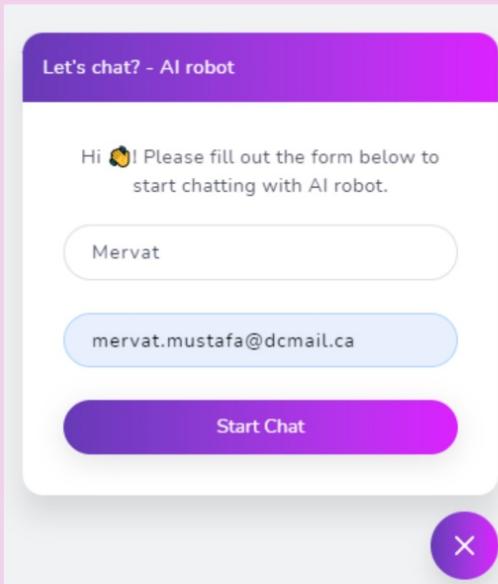


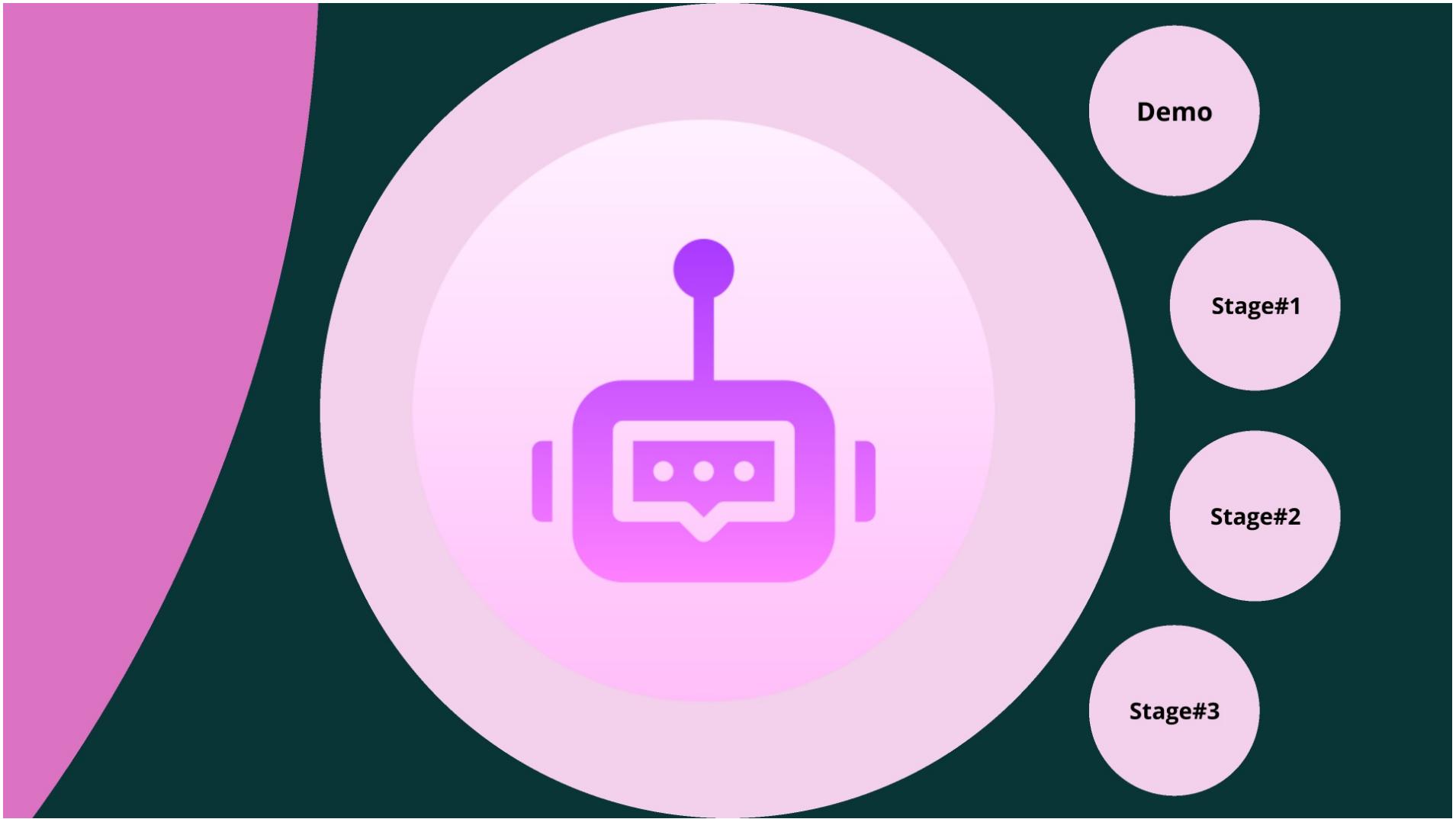


# **Stage#1**

## **Starting the session**

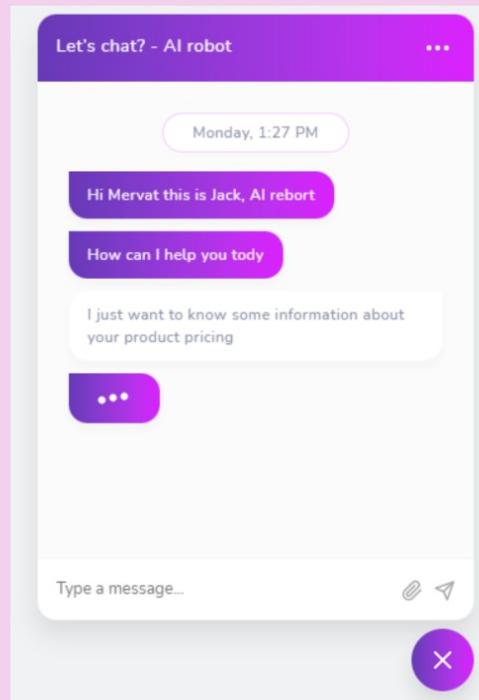
### Gathering client basic info





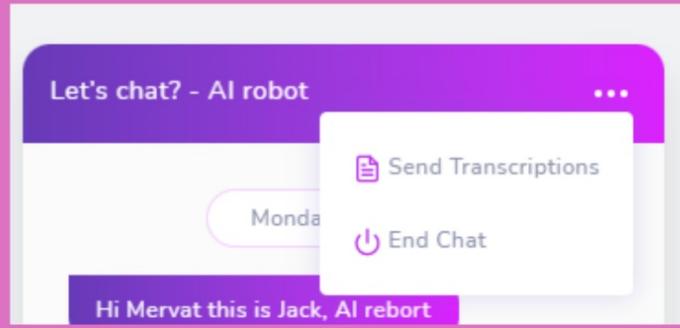
## Stage# 2

### Chatting



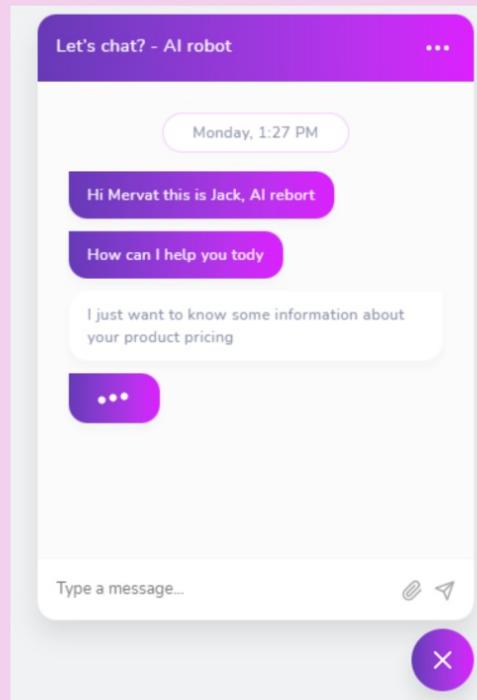
**Upper Right  
Menu**

...



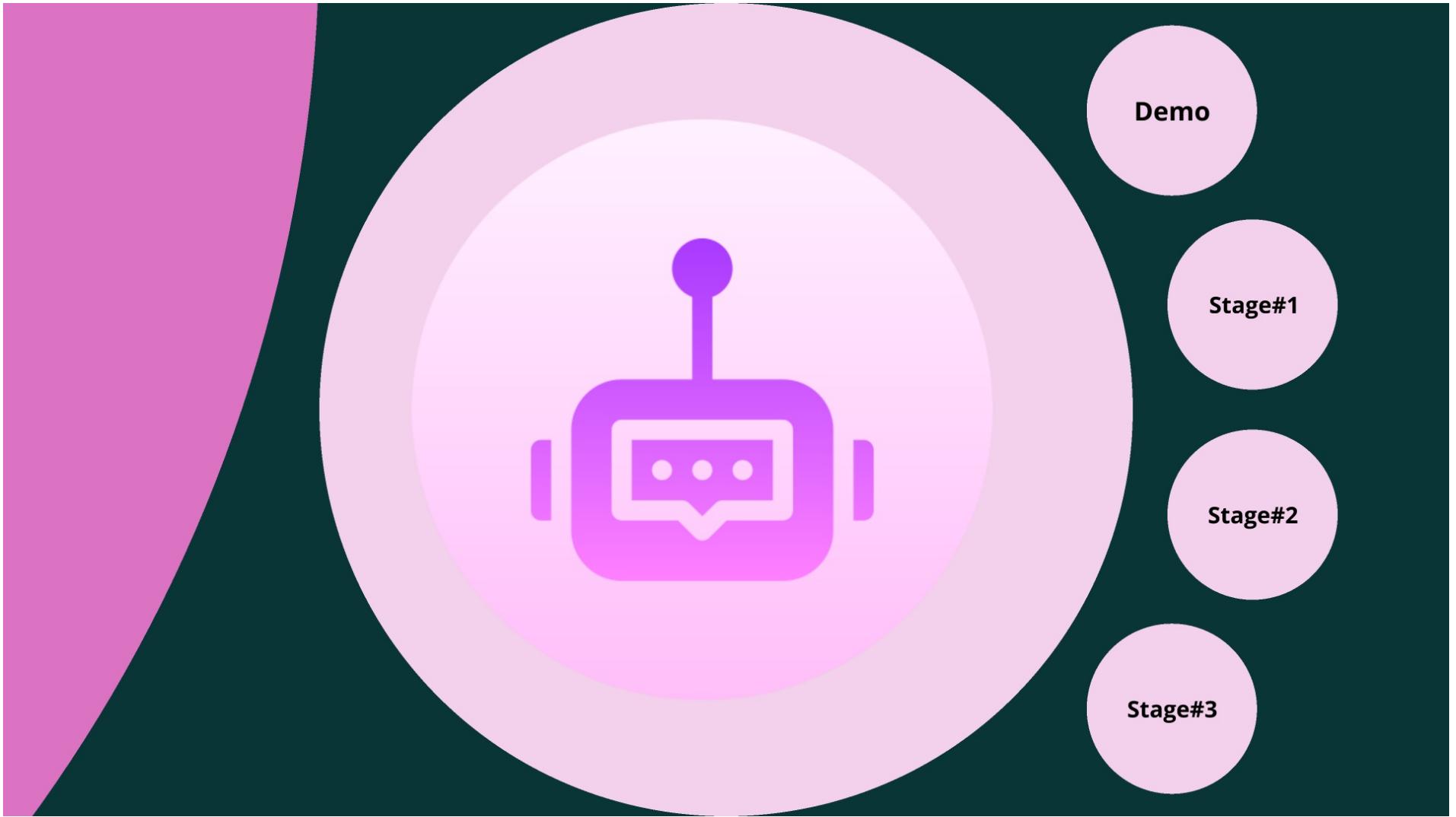
## Stage# 2

### Chatting



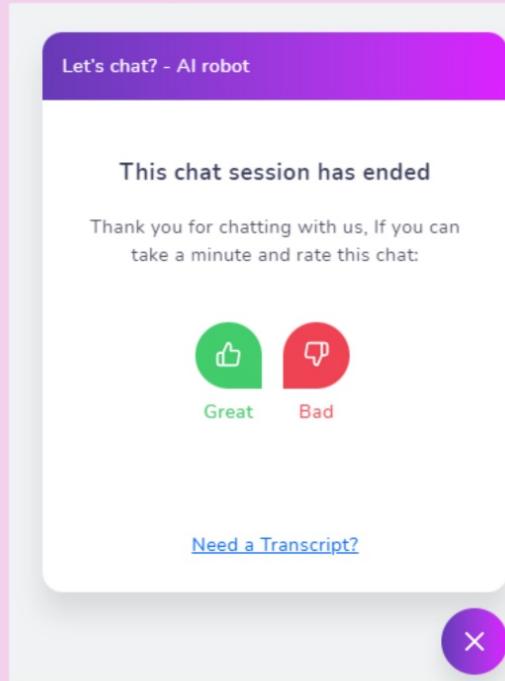
**Upper Right  
Menu**

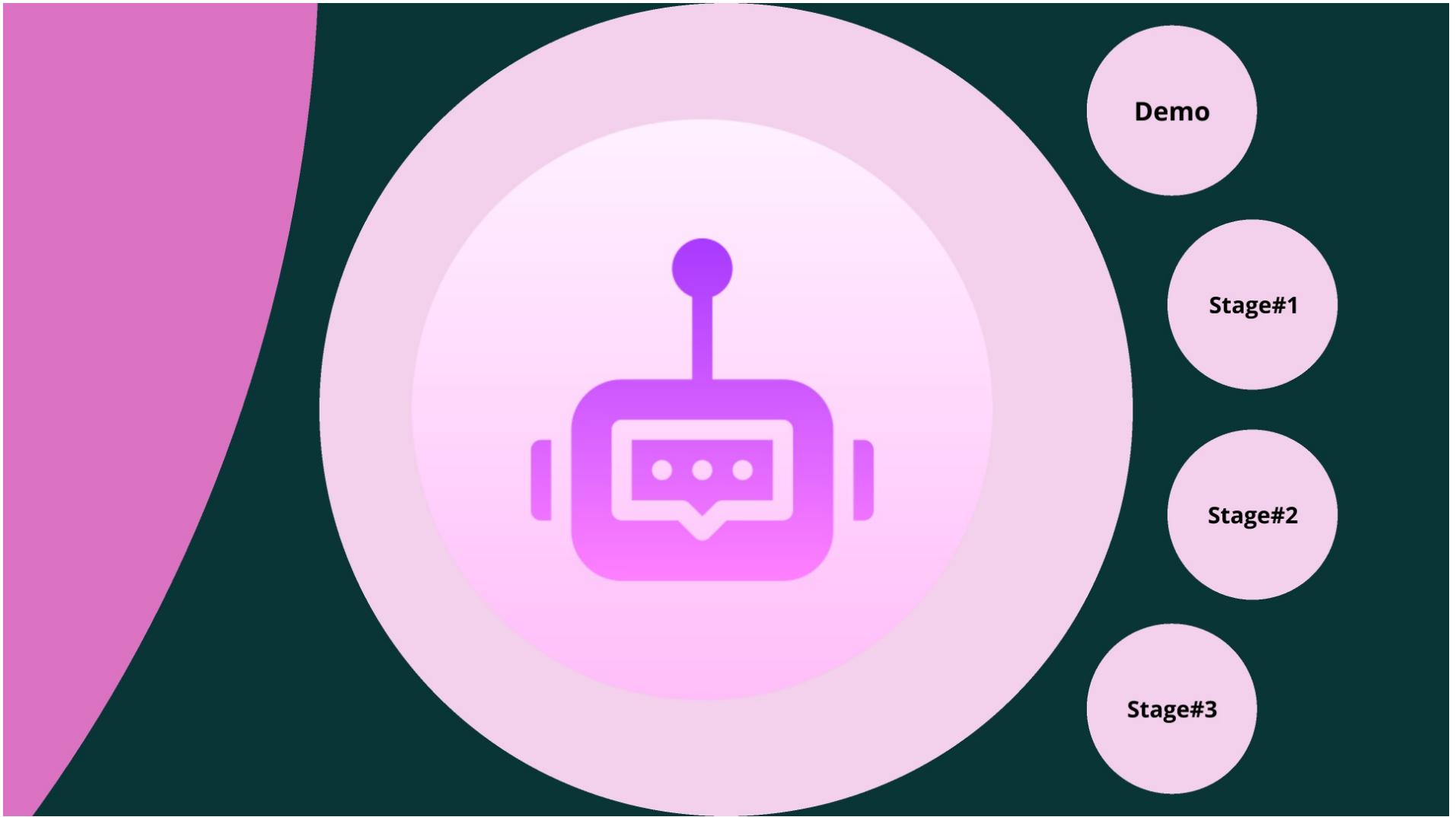
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## Stage#2

### Ending the session







E-Commerce  
website

Chatbot

# Shopping Process

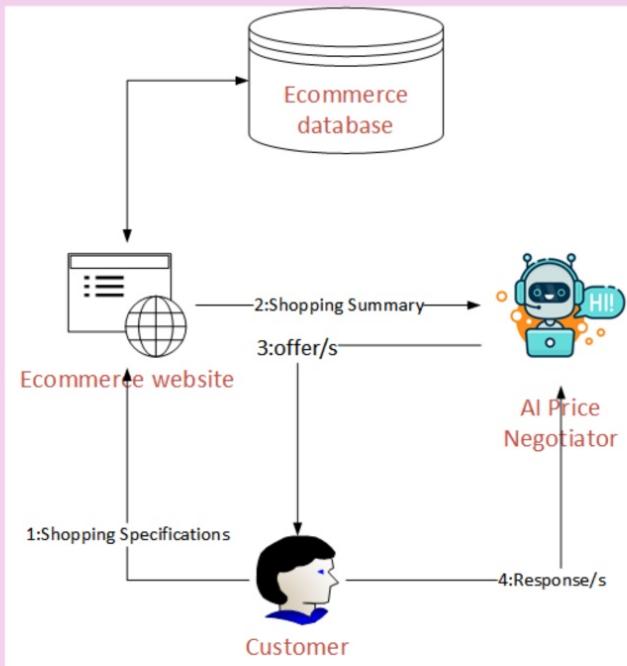
- The customer comes on the Home Page.
- From the homepage, it can browse through all Categories, and select a category to go through its products.
- The customer can add the products in the cart while they are browsing a particular category and apply any specifications like color, size, etc to it.
- Once, the products are finalized, s/he can checkout and initiate the chat-bot for star price negotiator to get discount.



**E-Commerce  
website**

**Chatbot**

## Project Architecture

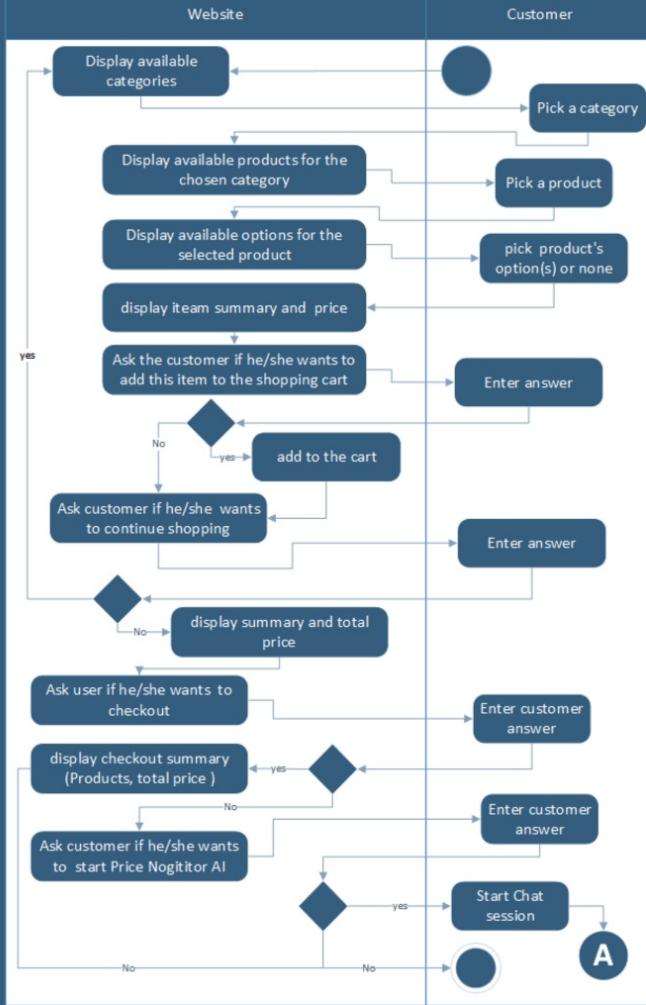


Technologies

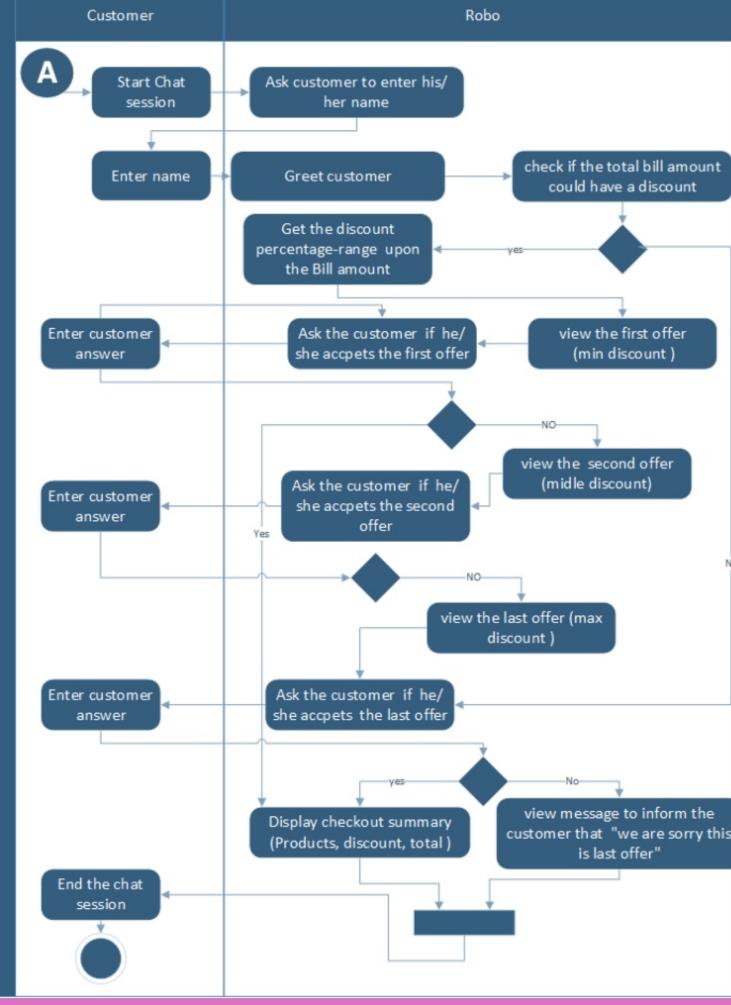
Front-end  
design

Initial flow  
chart

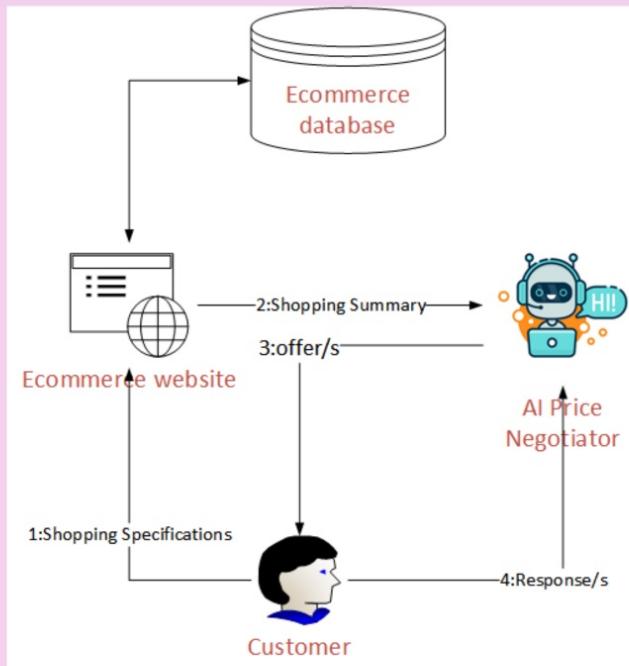
### Price Negotiator Ecommerce Chatbot System(1/2)



### Price Negotiator Ecommerce Chatbot System(2/2)



## Project Architecture



Technologies

Front-end  
design

Initial flow  
chart



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Gantt  
Chart

ID	Task Name	Start	Finish	Duration	Sep 2021		Oct 2021				Nov 2021				Dec 2021	
					9/12	9/19	9/26	10/3	10/10	10/17	10/24	10/31	11/7	11/14	11/21	11/28
1	Planning	9/13/2021	9/24/2021	10d												
2	Analysis	9/24/2021	10/14/2021	15d												
3	CAPSTONE-WARMUP SUBMISSION	10/1/2021	10/6/2021	4d												
4	UI Designing	10/7/2021	10/21/2021	11d												
5	DB Designing	10/7/2021	10/21/2021	11d												
6	Implementation	10/14/2021	11/17/2021	25d												
7	Unit Testing	10/14/2021	11/17/2021	25d												
8	CAPSTONE-MVP SUBMISSION	10/29/2021	11/3/2021	4d												
9	Integration Testing	11/17/2021	11/23/2021	5d												
10	CAPSTONE-MMP SUBMISSION	11/22/2021	11/25/2021	4d												
11	Deployment	11/23/2021	11/29/2021	5d												
12	Documentation	9/24/2021	11/29/2021	47d												
13	CAPSTONE-READY SUBMISSION	12/3/2021	12/8/2021	4d												
14	Presentation preparation	11/29/2021	3/2/2022	68d												
15	CAPSTONE-PRESENTATION SUBMISSION	12/13/2021	12/15/2021	3d												



Gantt  
Chart



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