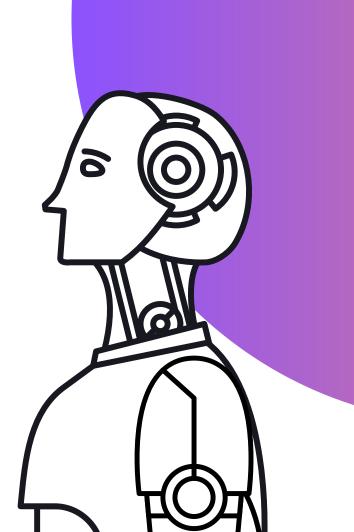
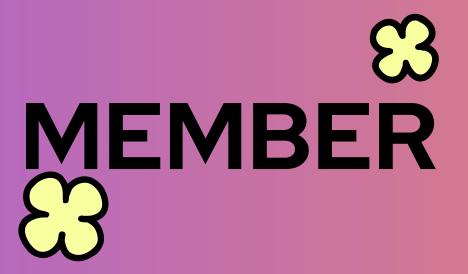


AIFORSE GROUP AI_60





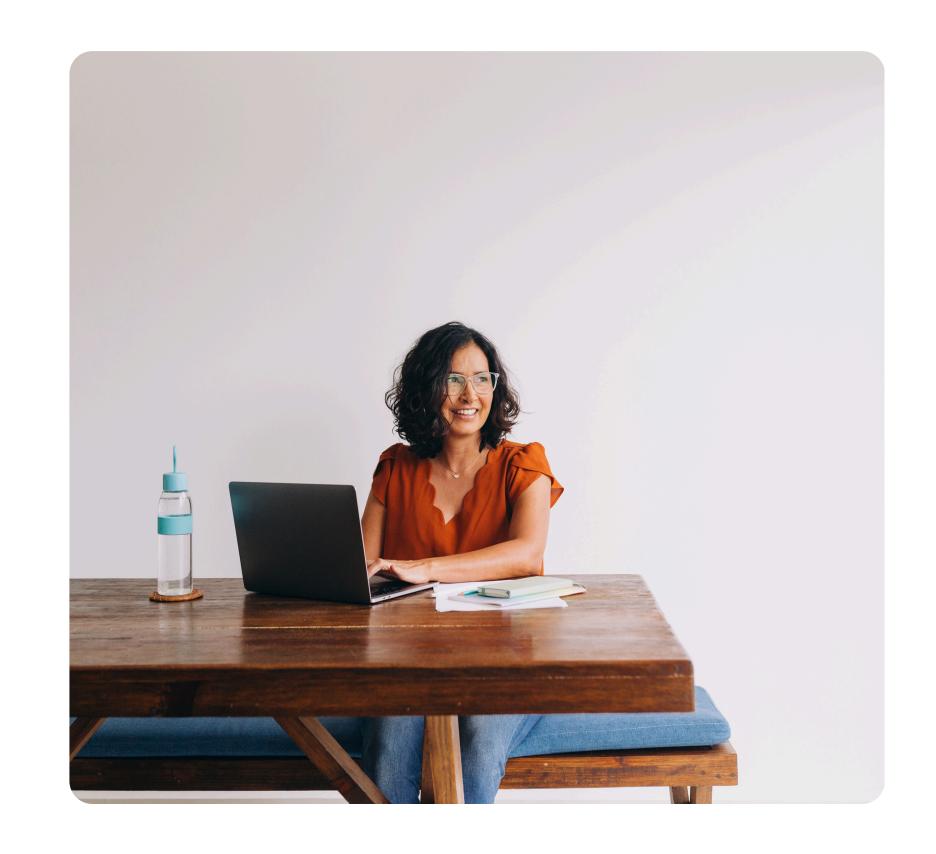
LAN NHI BAO QUYEN AN THIEN TRUNG DUNG CONG SON

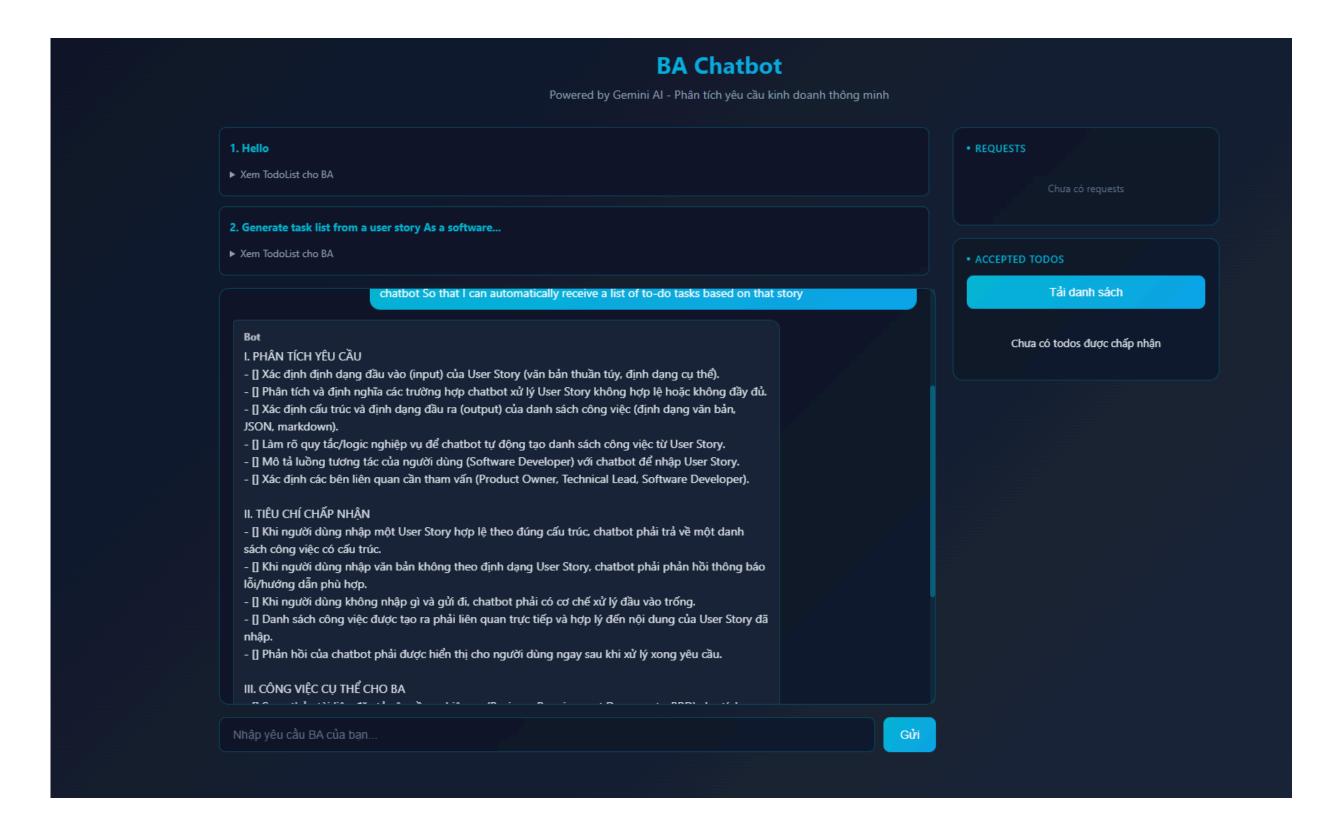
AROWWAI INDUSTRIES PAGE 02

CHATBOT CREATE TO-DO LIST BASED ON USER STORY

Automatically convert user stories into a list of specific tasks.

- Problem: Manually breaking down user stories into tasks is time-consuming and prone to human error.
- Solution: Develop a chatbot that uses NLP to understand user stories and generate accurate task lists automatically.





PAGE 03

Prompt:

Tiêu đề: Tạo danh sách công việc từ một user story

Là một lập trình viên, Tôi muốn nhập một user story vào chatbot

Để có thể tự động nhận được danh sách các công việc cần làm dựa trên user story đó.

AROWWAI INDUSTRIES

TESTING RESULT

		l	l	I	
File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s 04
	j	j			
All files	98.92	90.69	100	98.92	i
00 100	100				
chat.js	100	100	100	100	I
utils	100	90	100	100	l
parseTodoList.js	100	90	100	100	17,66,72
00 100	100				
chat.js	100	100	100	100	l
utils		90			
parseTodoList.js		:	100	100	17,66,72
00 100	 100				
ochat.js		100	100	100	ı
utils		90			
parseTodoList.js					•
00 100 100					
chat.js	100	100	100	100	I
utils	100	90	100	100	İ
parseTodoList.js	100	90	100	100	17,66,72
		ļ			
utils	100	90	100	:	
parseTodoList.js	:	:	100		17,66,72
utils	100	:	100	100	
utils	100	90	100	100	
parseTodoList.js	100	90	100	100	17,66,72
utils	100	 90	100	100	
parseTodoList.js		90	100	100	17,66,72
utils	100	90	100	100	
parseTodoList.js		90	100	100	17,66,72
Test Suites: 5 passed, 5 total					
Tests: 37 passed, 37 total					
Snapshots: 0 total					
Time: 43.49 s, estimated 92 s					

AROWWAI INDUSTRIES

TEST CHAT CONTROLLER

```
PASS tests/unit/chatController.test.js (70.506 s)
 Chat Controller - Environment Variables Tests
   Environment Variables

√ should have GOOGLE API KEY loaded from .env (38 ms)

√ should have MONGO URI loaded from .env (14 ms)

√ should have NODE ENV set to test (10 ms)

   handleChat

√ should return 400 when message is missing (12 ms)

√ should handle error when API call fails (9446 ms)

   chatBA

√ should return 400 when message is missing (12844 ms)

√ should process valid user story (21011 ms)

   acceptTodo

√ should return 400 when required fields are missing (33 ms)

√ should save todo when valid data is provided (27 ms)

√ should handle save errors (145 ms)

   getAcceptedTodos

√ should return list of accepted todos (2 ms)

√ should handle errors when fetching todos (2 ms)

   parseTodoList function

√ should parse todo list with I./II./III. format (24509 ms)

 Google AI Integration

√ should initialize Google AI with API key from .env (21 ms)

√ should create model instance (19 ms)
```

TEST CHAT ROUTES

```
PASS tests/integration/chat.routes.test.js

Chat Routes Integration Tests

POST /api/chat

✓ should return todo list response (145 ms)

✓ should handle missing message (22 ms)

POST /api/accept

✓ should accept and save todo list (13 ms)

GET /api/todos

✓ should retrieve accepted todos (15 ms)
```

TEST PARSE TODO LIST