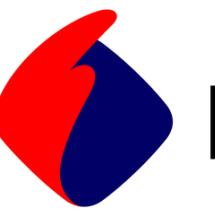


# TripKaki

Zero Forms, Zero Typing

Ancileo



MSIG



# Meet Our Team



**Zhen Wei**

SIT Applied Computing FinTech



**Xavier Ong**

SIT Digipen Computer Science  
in Real Time Interactive  
Simulation



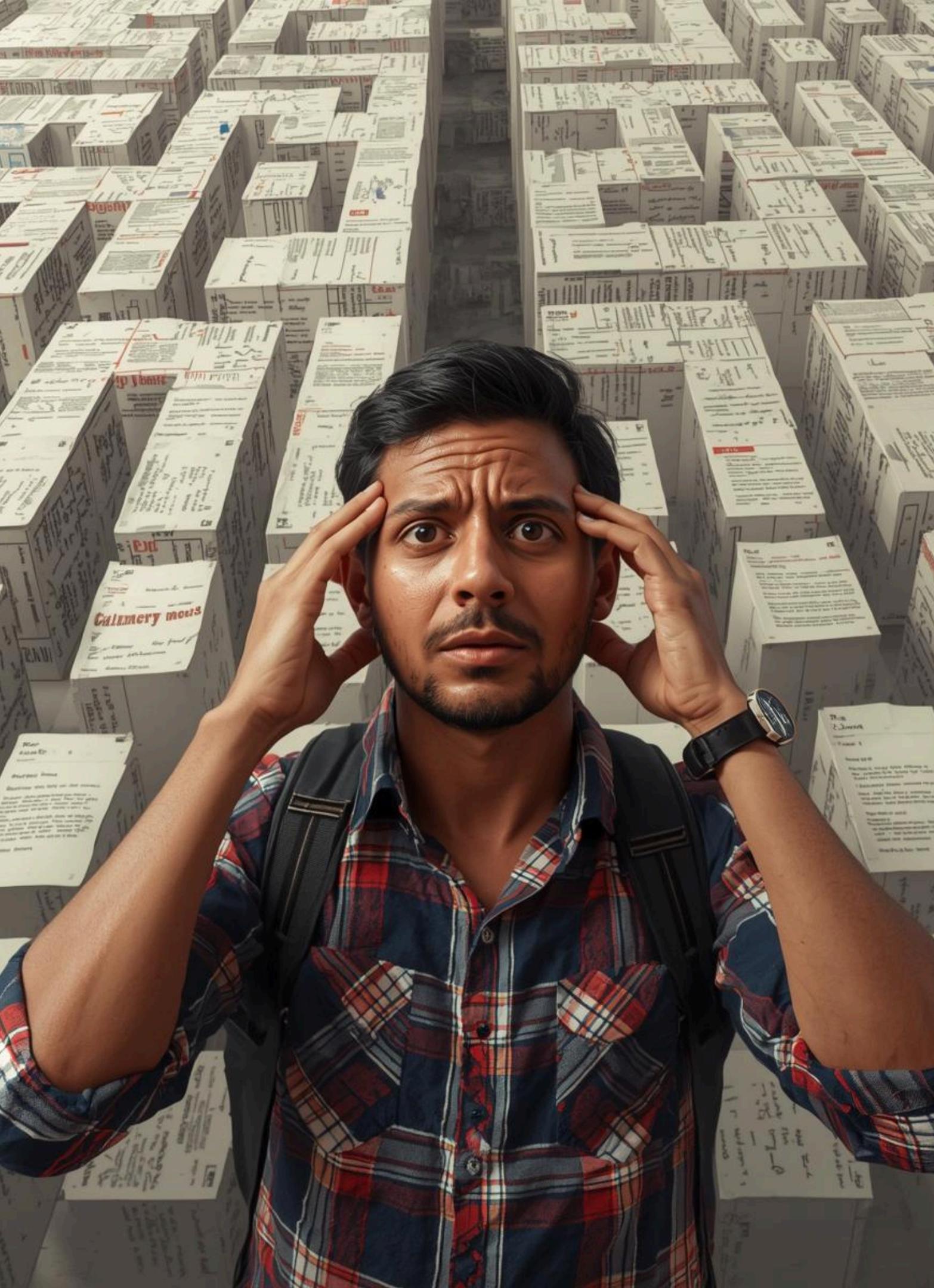
**Htet**

SIT Digipen Computer Science  
in Real Time Interactive  
Simulation



**Jiaman**

NUS College  
Information Systems



# The Problem

Buying Insurance Still Feels Like Homework

## 1. Complex and Confusing Process

- Policies are long-winded
- Many jargons

## 2. Low Transparency

- Customers don't know what they are buying
- Many fine prints

## 3. Poor communication & service

- Slow response times
- Service is not 24/7, multi-lingual



# The Issue

One-Bot Systems Can't Handle Real Conversations

## Gaps in current tech

- Can't coordinate multiple tasks
  - e.g. policy + pricing + compliance
- Struggle to stay accurate or compliant across contexts.
- Offer generic answers — not real advisory conversations.

# Solution: TripKaki

## Multi-Agent AI Conversational Chatbot

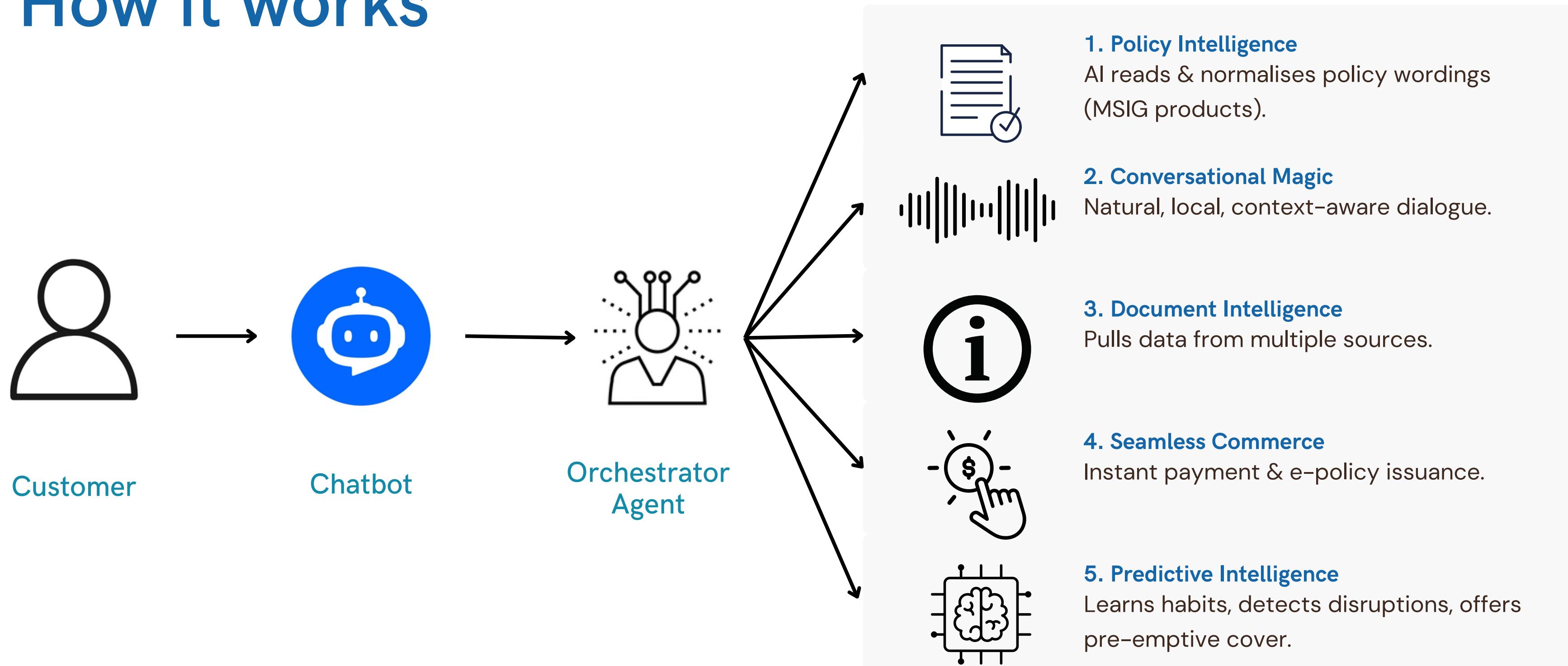
Each AI agent has a specific role:

- Conversation Agent – understands the user.
- Policy Agent – finds the right coverage.
- Pricing Agent – calculates real-time quotes.

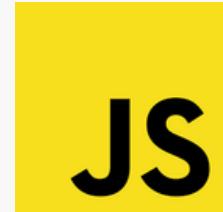
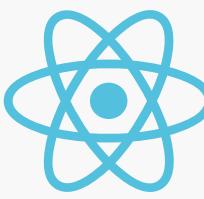
They collaborate in real time to deliver complete, accurate, and human-like conversations.



# How it works



# Teck Stack



## Frontend (Client)

React, HTML5, CSS3

Vanilla JavaScript - Chat UI, payment modals, PDF generation

jsPDF Library - Professional PDF receipt generation



## Backend (Server)

Node.js + Express.js API

ES6 Modules (import/export)

Event-driven Chat Flow



## AI & Intelligence Layer

Groq API (LLM Core)

ConversationManager Agent

ClaimsIntelligence Agent

TaxonomyEngine Agent

GroqIntelligence Service



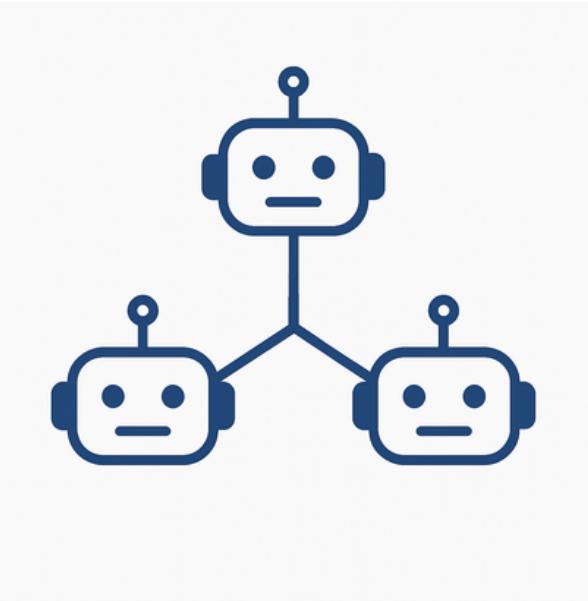
## Data Layer

JSON Files (Simulated DB)

Policy Database

Taxonomy Hackathon

# Unique Selling Point



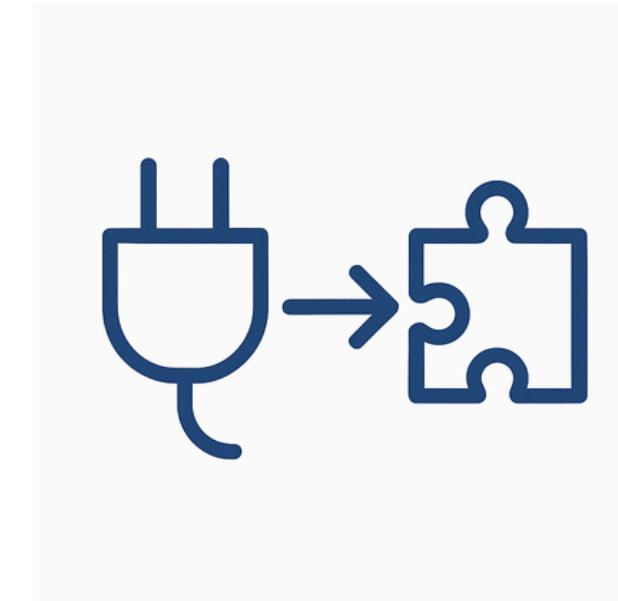
## Multi-Agent Intelligence

Multiple AIs working in parallel



## Domain-Aware and Compliant

Built with an insurance logic layer and regulation guardrails.



## Plug-and-Play Integration

Connects easily with existing insurer CRMs, APIs, DBs.

# Model & Scalability

Item	Details
Model	Meta Llama 3.3 70B Versatile
Host	Groq API (fast inference)
Average response latency	< 1 second for chat; ≈ 3–4 s for long policy answers.
Why	Needed large context + grounded reasoning for accuracy + 10X faster and roughly half the cost of GPT-4.

*Ensures every policy response is citation-based and context-grounded.*