

# Preference Management System

# Limitations

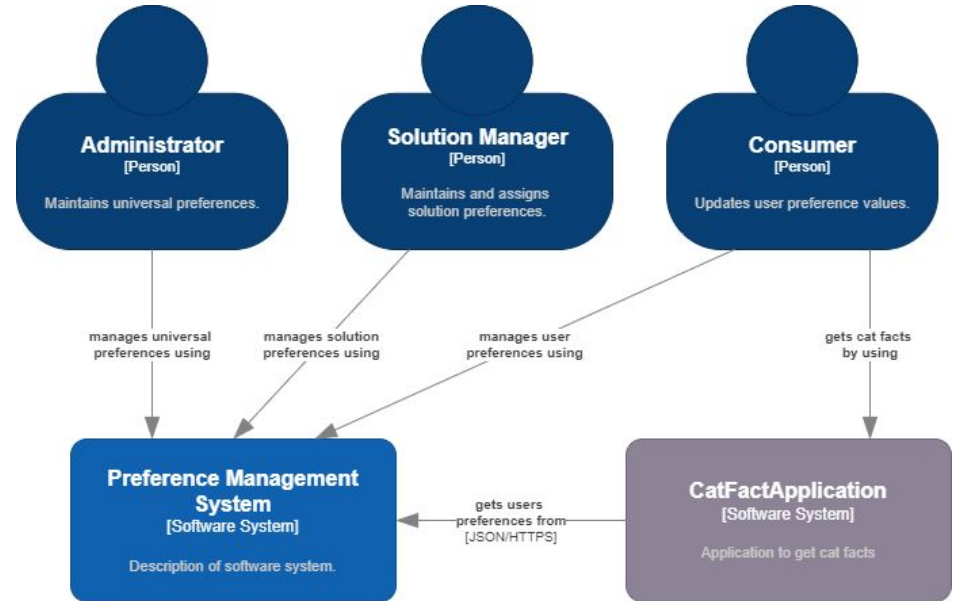
- No frontend, all interaction happens through API in Swagger
- Only basic create and get functionality implemented

# Assumptions

- All users will interact directly with the Preference Management System
- General solution with easily customizable preferences is a priority

# System Context Diagram

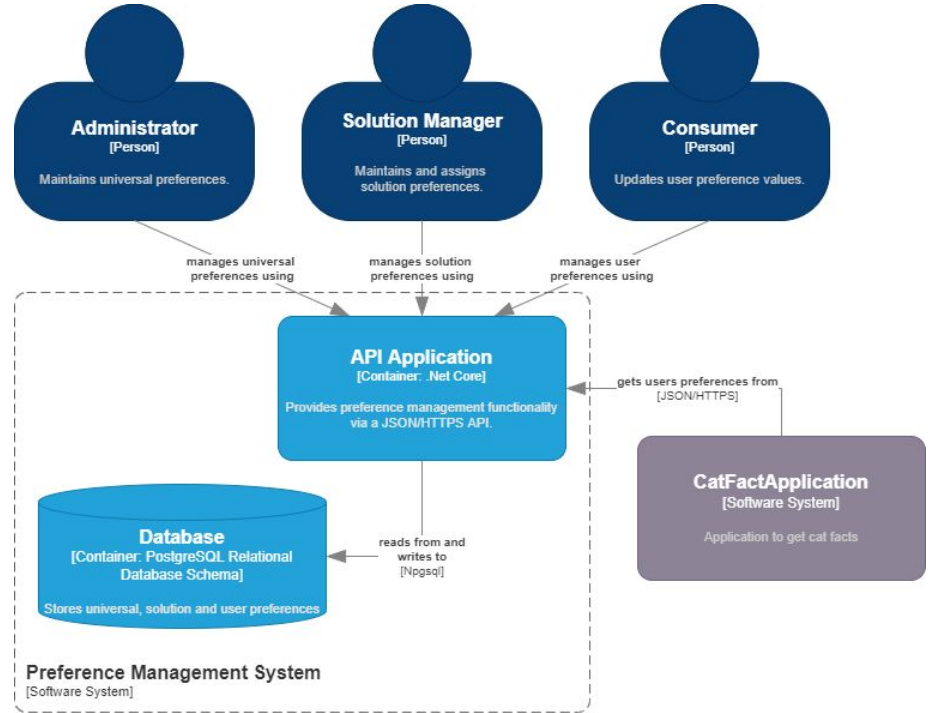
- CatFactApplication is example of external application



**[System Context] Preference Management System**

The system context diagram for the Preference Management System

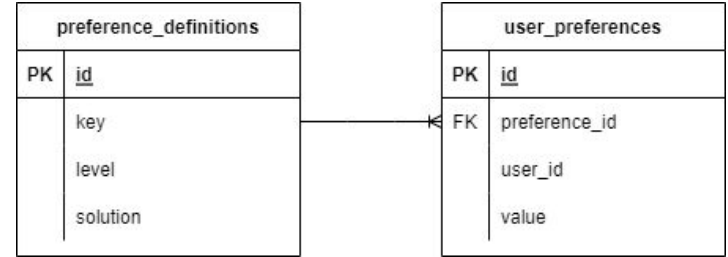
# Container Diagram



**[Containers] Preference Management System**  
The container diagram for the Preference Management System

# Database design

- Essentially a key/value store with predefined keys
- Values can be anything - no answer options or type limitations



Code

# Considerations & improvements

- Expand PoC of Authorization on an endpoint with Bearer token
- Scopes / policies on the endpoints
- Authentication between the APIs (API key)
- Creating answer options