

Team Ricola
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PharmacAI

Case: Digital Pharmacy

Digitalization of Business Processes in Healthcare

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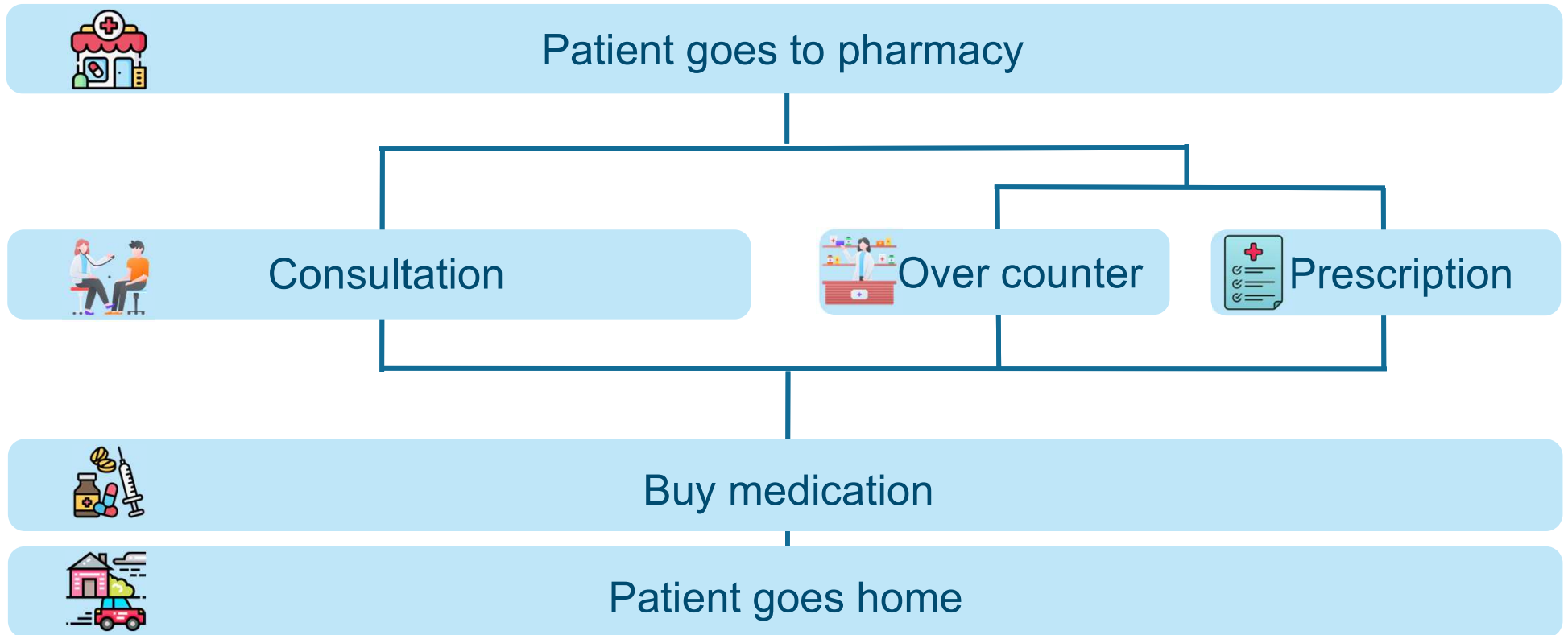
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+ TABLE OF CONTENTS

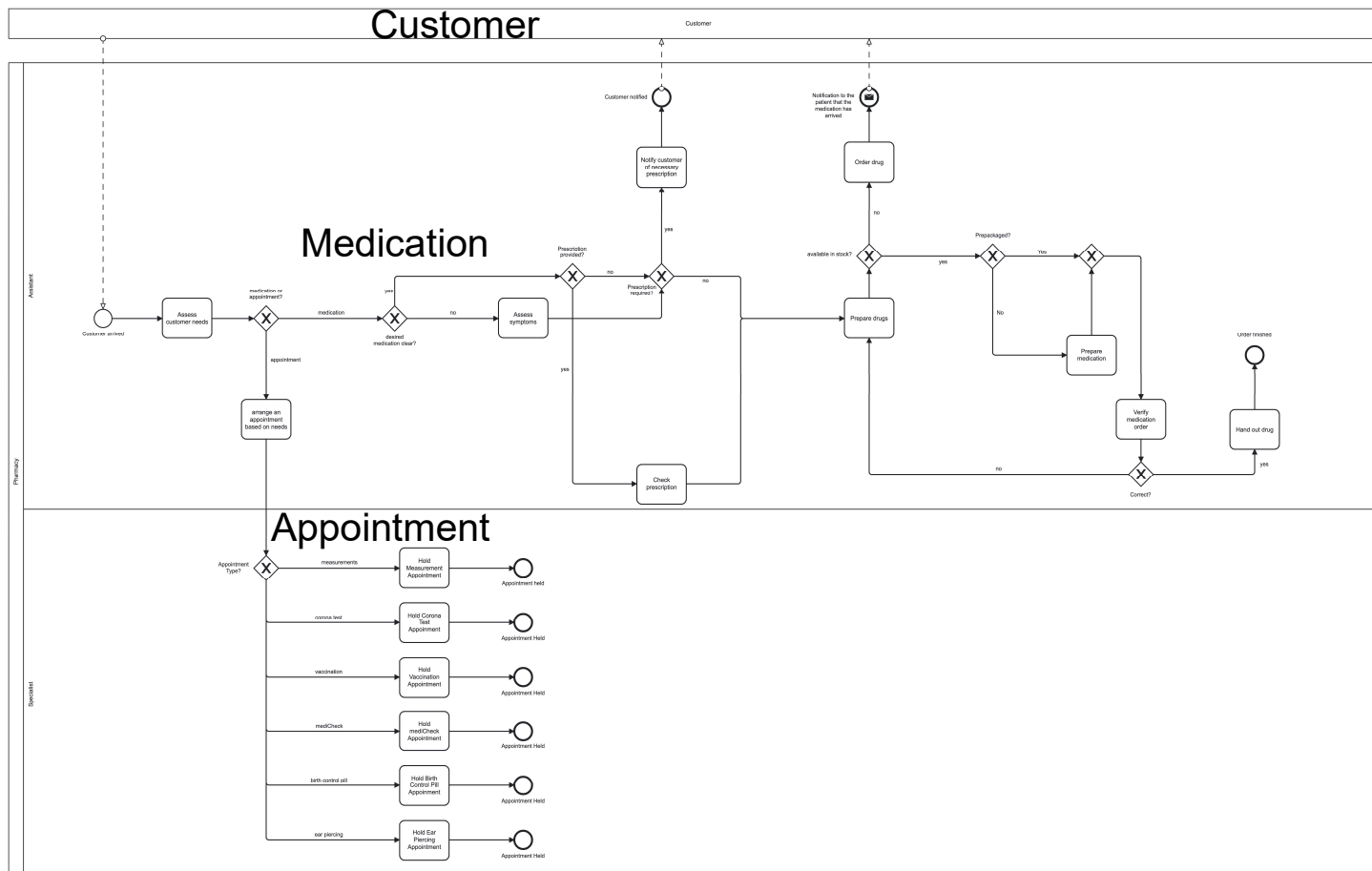
- Use Case
- As-Is Process
- PharmacAI
- To-Be Process
- ChatBot Process
- Implementation
- Benefits
- Demo



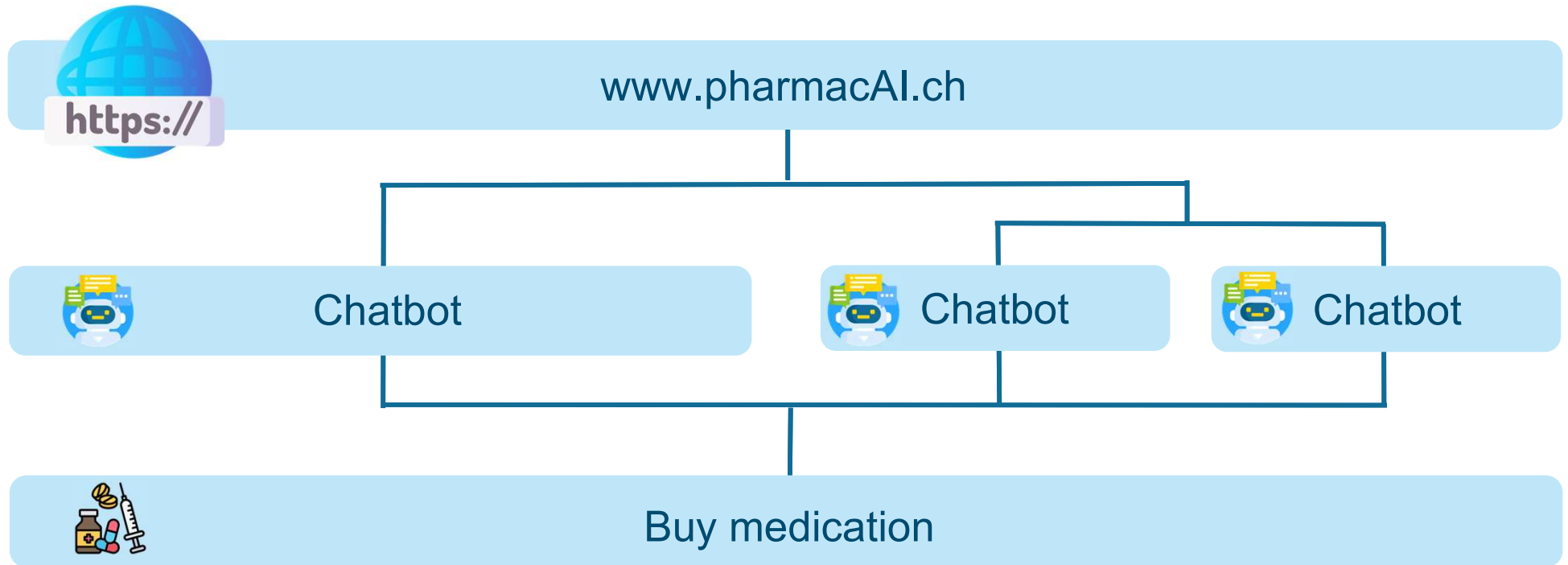
+ Use Case



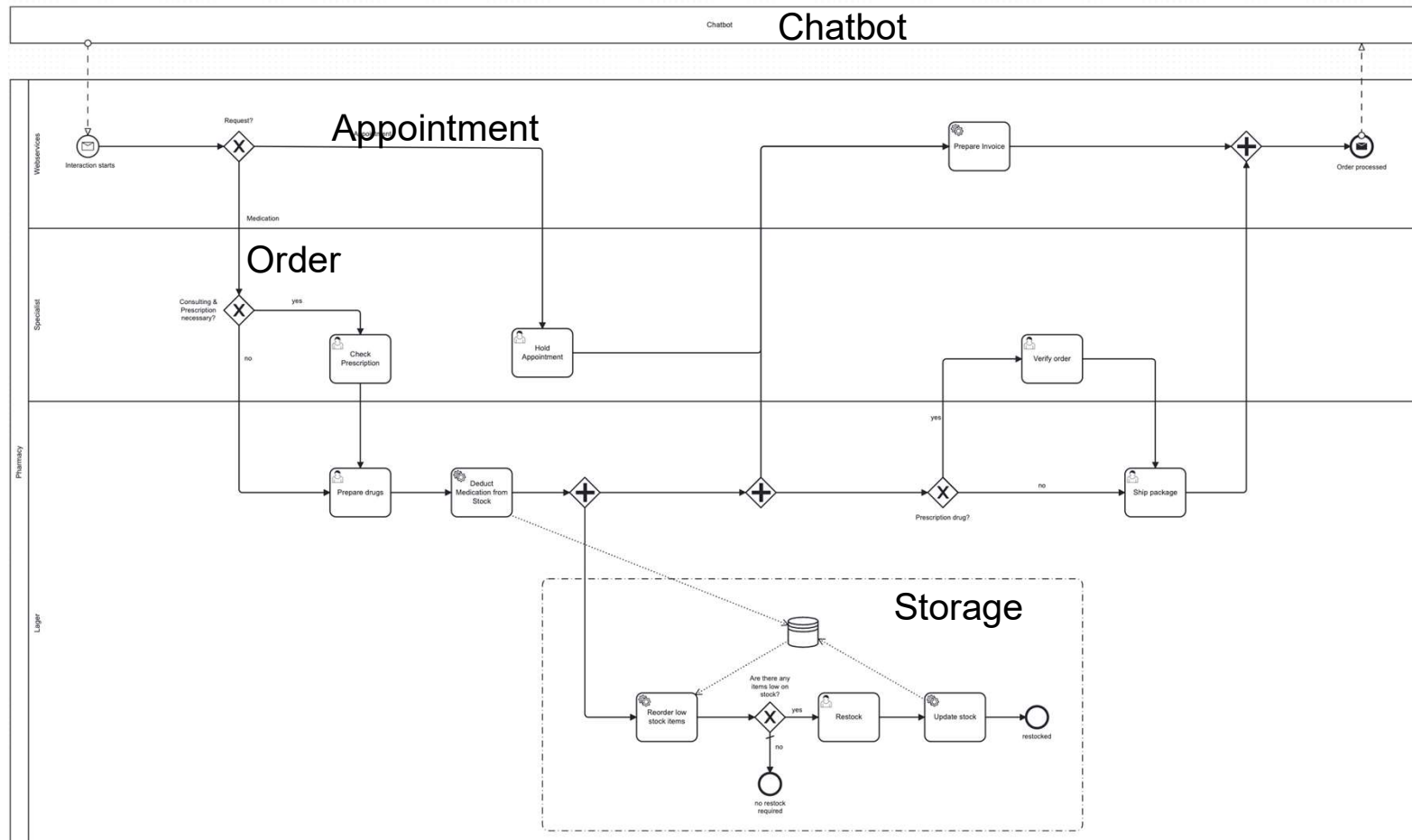
+ As-Is Process



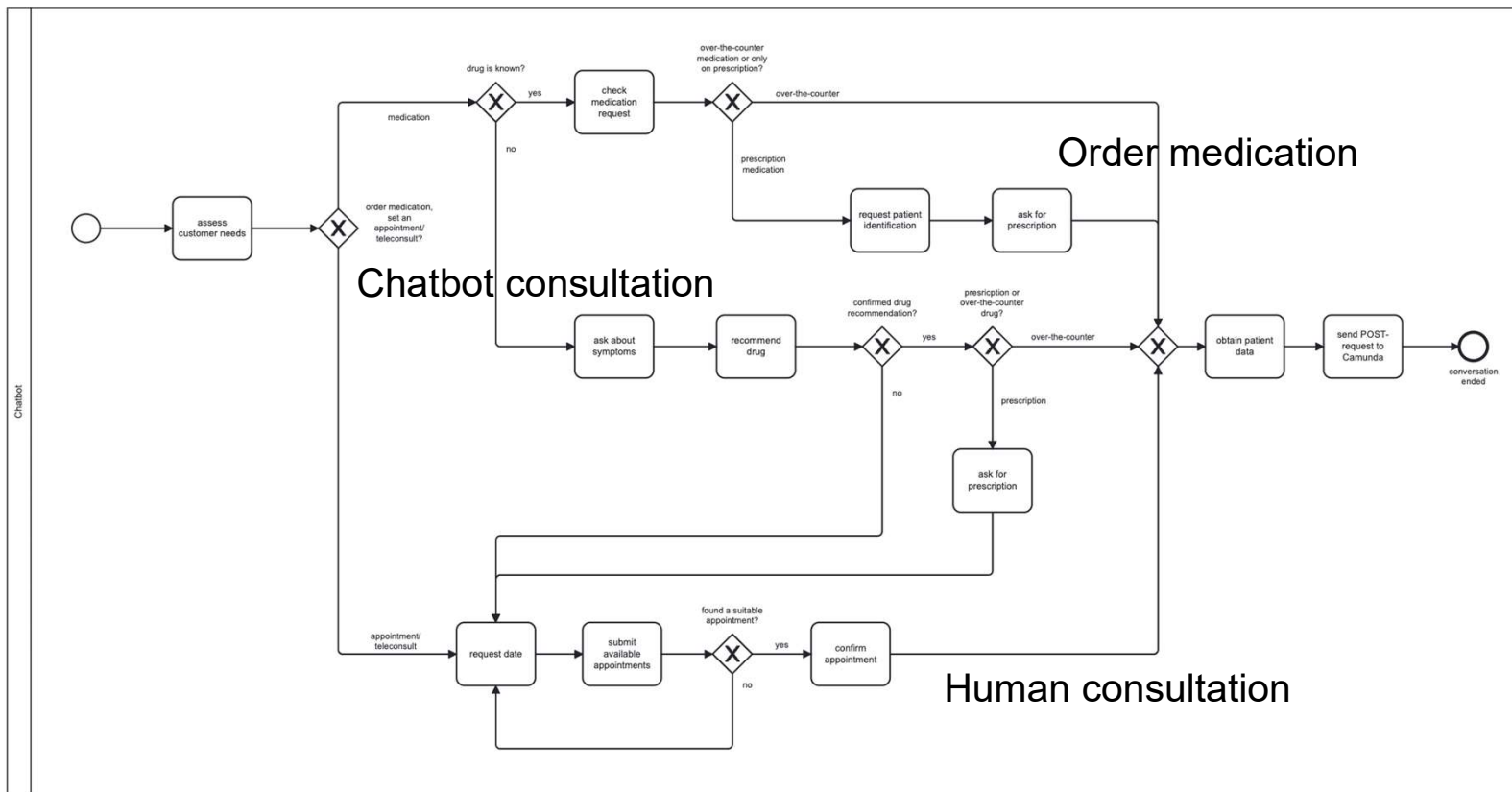
+ PharmacAI



To-Be Process

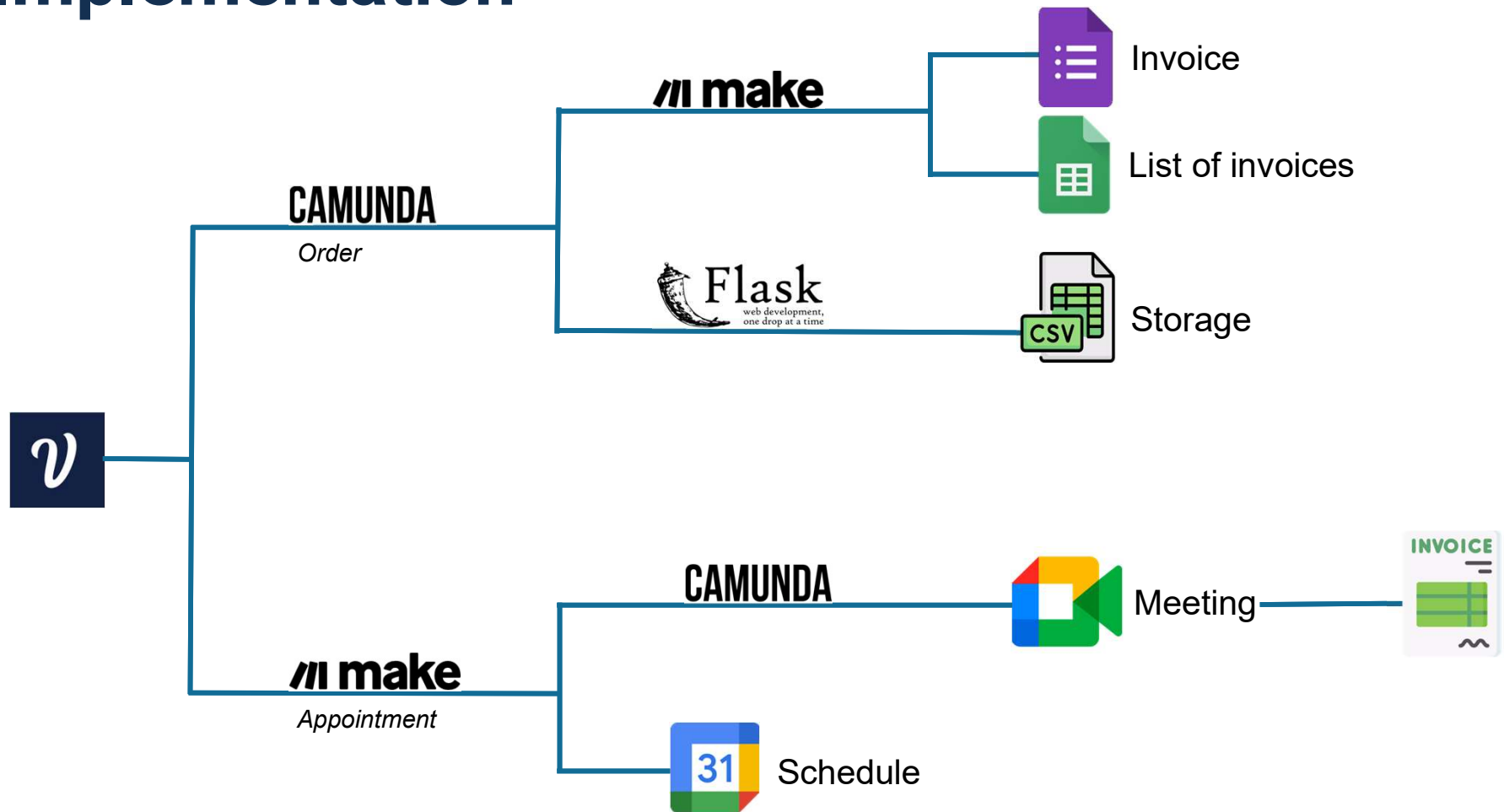


+ Chatbot



Chatbot: <https://digibp.github.io/Team-Ricola/>

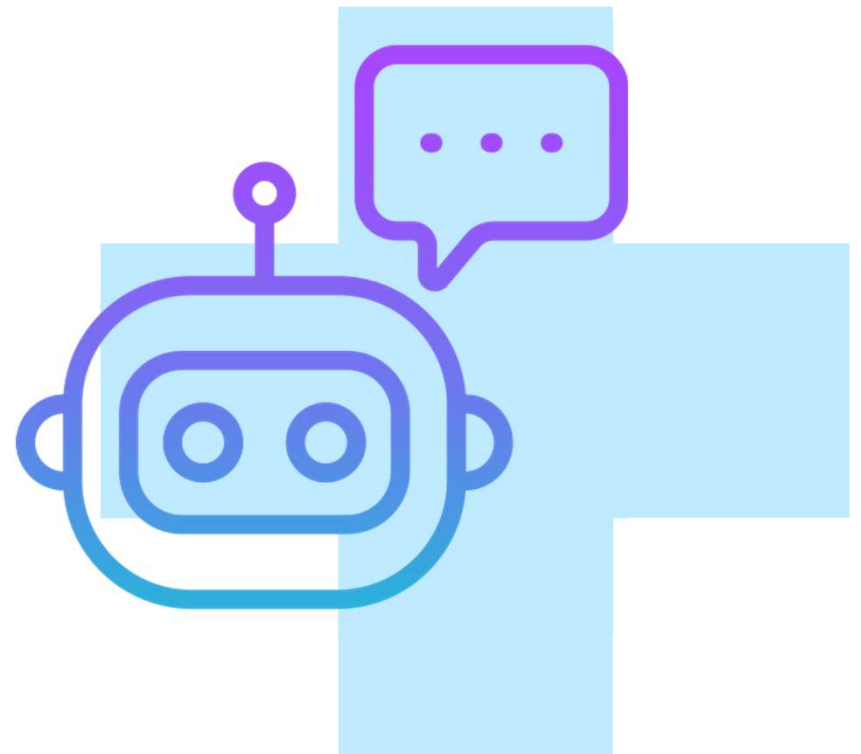
+ Implementation





Benefits

- Time-saving
- 24/7 availability
- Quick response
- Automated order processing
- Discretion
- Personalized recommendations
- less cost-intensive

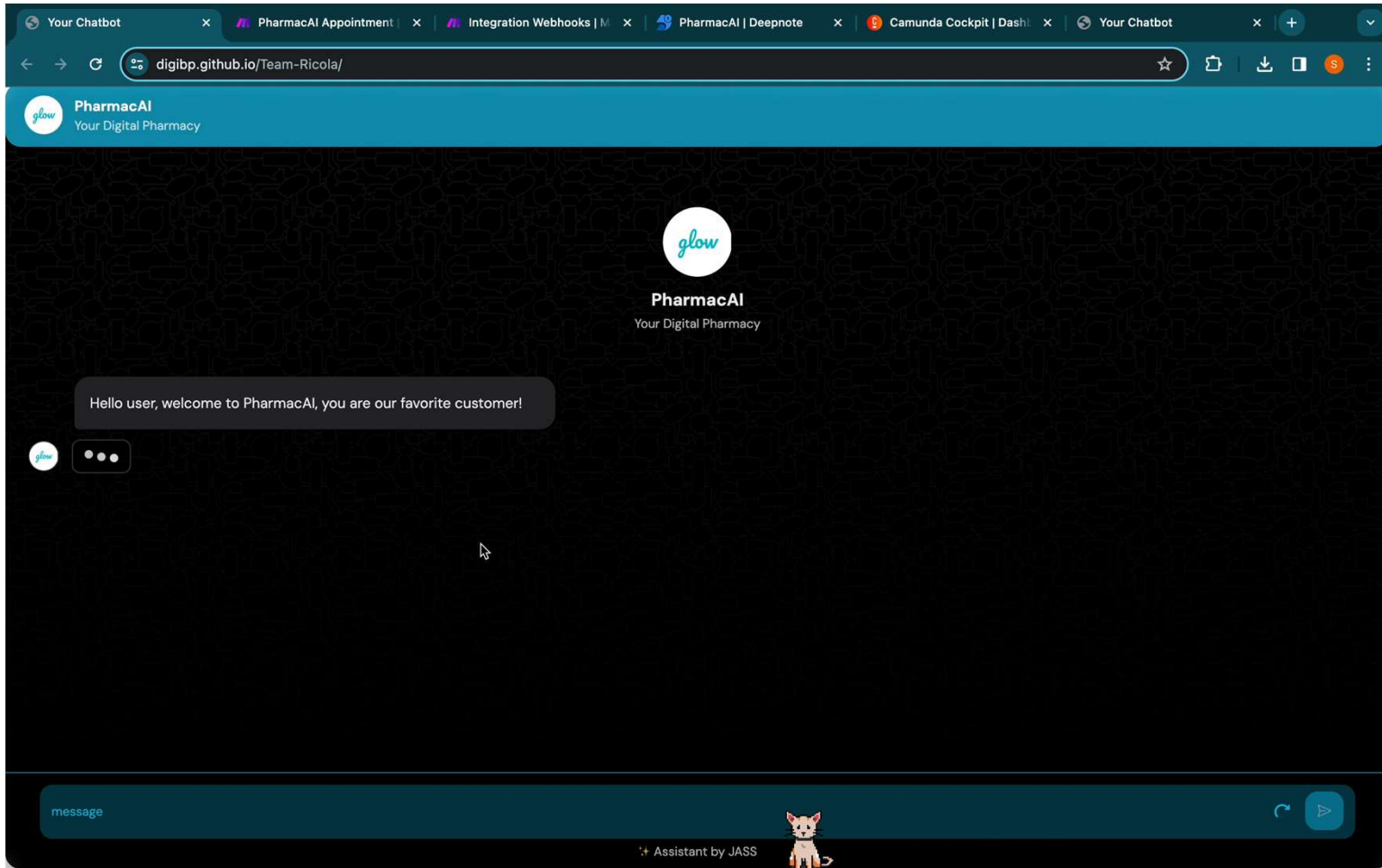


DEMO

PharmacAI

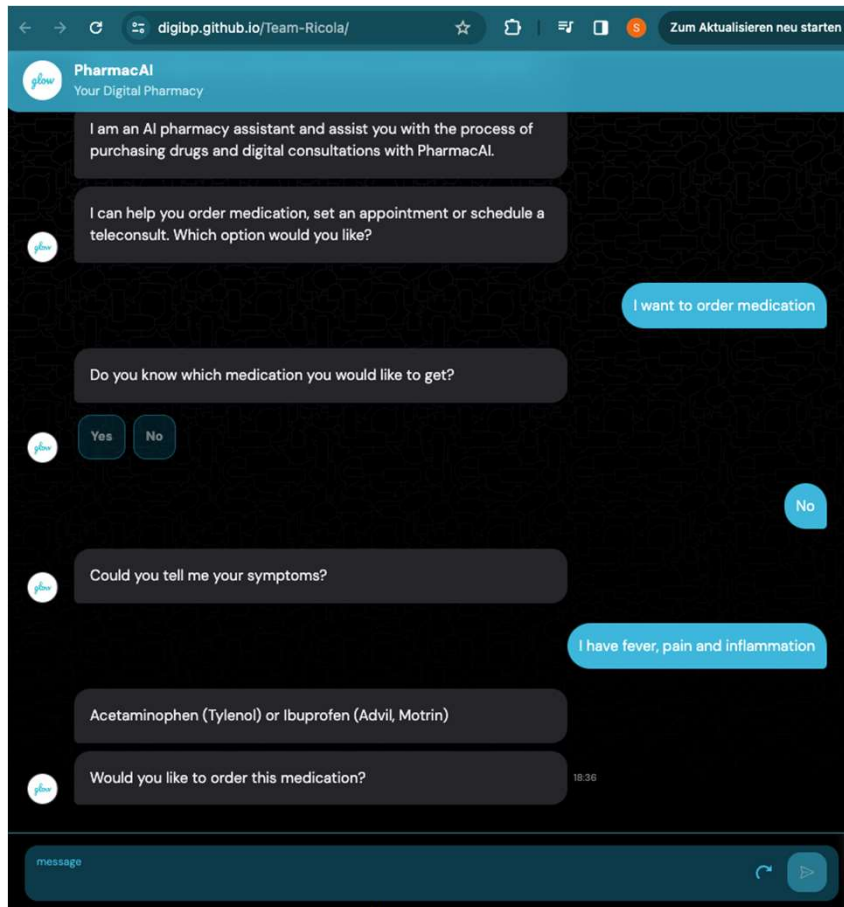


Scenario 1: Medication with prescription





Scenario 2: Medication Consult



Symptom: Fever

- Medications: Acetaminophen (Tylenol), Ibuprofen (Advil, Motrin)

Symptom: Pain (e.g., headache, muscle pain)

- Medications: Acetaminophen, Ibuprofen, Naproxen (Aleve), Aspirin

Symptom: Cough

- Medications: Cough suppressants (e.g., Dextromethorphan), Expectorants (e.g., Guaifenesin)

Symptom: Shortness of breath

- Medications: Bronchodilators (e.g., Albuterol), Inhaled corticosteroids

Symptom: Chest pain

- Medications: Nitroglycerin (for angina), Antacids (if due to acid reflux)

Symptom: Nausea

- Medications: Antiemetics (e.g., Ondansetron, Dimenhydrinate)

Symptom: Vomiting

- Medications: Antiemetics, Intravenous fluids (in severe cases)

Symptom: Diarrhea

- Medications: Antidiarrheal agents (e.g., Loperamide), Oral rehydration solutions

Symptom: Abdominal pain

- Medications: Antispasmodics (e.g., Hyoscyamine), Analgesics (for pain relief)

Symptom: Joint pain

- Medications: Nonsteroidal anti-inflammatory drugs (NSAIDs), Disease-modifying antirheumatic drugs (DMARDs) for autoimmune conditions

Symptom: Rash

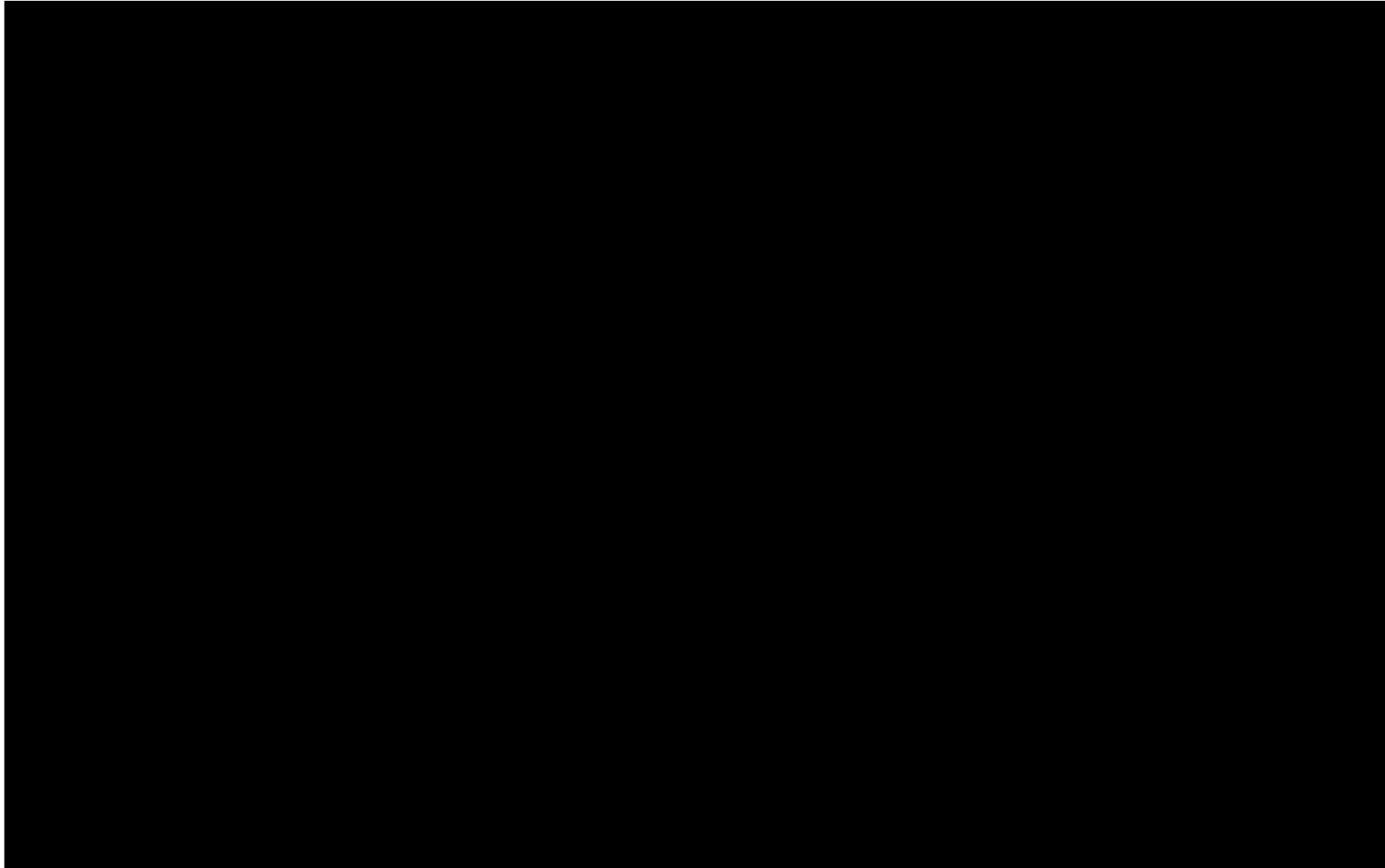
- Medications: Topical corticosteroids, Antihistamines

Over-the-Counter (OTC) Medications:

1. **Medication:** Ranitidine
 - **Brand Name:** Zantac
 - **Active Component:** Ranitidine
 - **Price:** CHF 9.50
 - **Indications:** Heartburn, acid reflux, Zollinger-Ellison syndrome
 - **Availability:** Over the counter
2. **Medication:** Dextromethorphan
 - **Brand Name:** Robitussin DM
 - **Active Component:** Dextromethorphan
 - **Price:** CHF 6.75
 - **Indications:** Cough suppressant, relief of throat irritation
 - **Availability:** Over the counter
3. **Medication:** Guaifenesin
 - **Brand Name:** Mucinex
 - **Active Component:** Guaifenesin
 - **Price:** CHF 7.20
 - **Indications:** Cough due to colds, bronchitis, loosens mucus
 - **Availability:** Over the counter
4. **Medication:** Diphenhydramine
 - **Brand Name:** Benadryl
 - **Active Component:** Diphenhydramine
 - **Price:** CHF 5.40
 - **Indications:** Allergic reactions, hay fever, common cold symptoms
 - **Availability:** Over the counter
5. **Medication:** Esomeprazole
 - **Brand Name:** Nexium 24HR
 - **Active Component:** Esomeprazole
 - **Price:** CHF 16.85
 - **Indications:** Heartburn, GERD, erosive esophagitis
 - **Availability:** Over the counter
6. **Medication:** Acetaminophen
 - **Brand Name:** Tylenol
 - **Active Component:** Acetaminophen
 - **Price:** CHF 8.50



Scenario3: Book Appointment / Teleconsult





THANK YOU

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