ATHENS
+DIGITAL
HEALTH
WEEK

15-19th January 2024
Royal Olympic Hotel

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HΔIKA
eGOVERNMENT CENTER FOR
SOCIAL SECURITY SERVICES

National eHealth Auhtority
Republic of Cyprus

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Team and solution

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Solution is based on GNOMON Product named **eHealthPass**, a patient centric application for patients and practitioner collaboration, maintained and from GNOMON.

Our Team

Kostas Karkaletsis

Domniki Melliou

Argiris Gkogkidis

Natalia Giannouli

Christina Konstantinidou

USE CASE

Personalized ePI Delivery through a Mobile Application

Actors:

User: The individual requesting an electronic Patient Information
(ePI) document.
Smart Pre-Processor: A system component that analyzes and extracts
relevant information from documents.
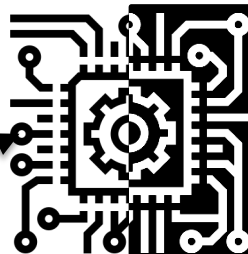API: Interface for processing and delivering personalized ePIs.

Challenge 1

API
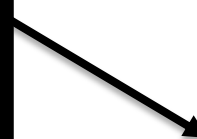

ePI

NLP Processing
- Annotation
- Filter extraction

```
"Medication Name": "Karvea",
"Active Ingredient": "irbesartan",
"Dosage Form": "Tablets",
"Strength": "75 mg",
"Indications": [
    "Treatment of high blood pressure (essential hypertension)",
    "Protection of the kidney in patients with high blood pressure, type 2 diabetes, an
],
"Contraindications": [
    "Allergy to irbesartan or any other ingredients in Karvea",
    "Pregnancy (more than 3 months)",
    "Diabetes or impaired kidney function treated with aliskiren"
],
"Warnings and Precautions": [
    "Excessive vomiting or diarrhoea",
    "Kidney problems",
    "Heart problems",
    "Diabetic kidney disease (requires regular blood tests)",
    "Low blood sugar levels, especially in diabetic patients",
    "Operations or anaesthetics",
    "Concurrent use of an ACE-inhibitor or aliskiren"
],
"Interactions": [
    "ACE-inhibitors",
    "Aliskiren",
    "Potassium supplements",
    "Salt substitutes containing potassium",
    "Potassium-sparing diuretics",
    "Lithium",
    "Repaglinide",
    "Non-steroidal anti-inflammatory drugs"
],
"Administration": [
    "Oral",
    "With or without food",
    "Preferably at the same time each day"
],
"Dosage": [
    "Usual dose for high blood pressure: 150 mg daily, possibly increased to 300 mg",
```
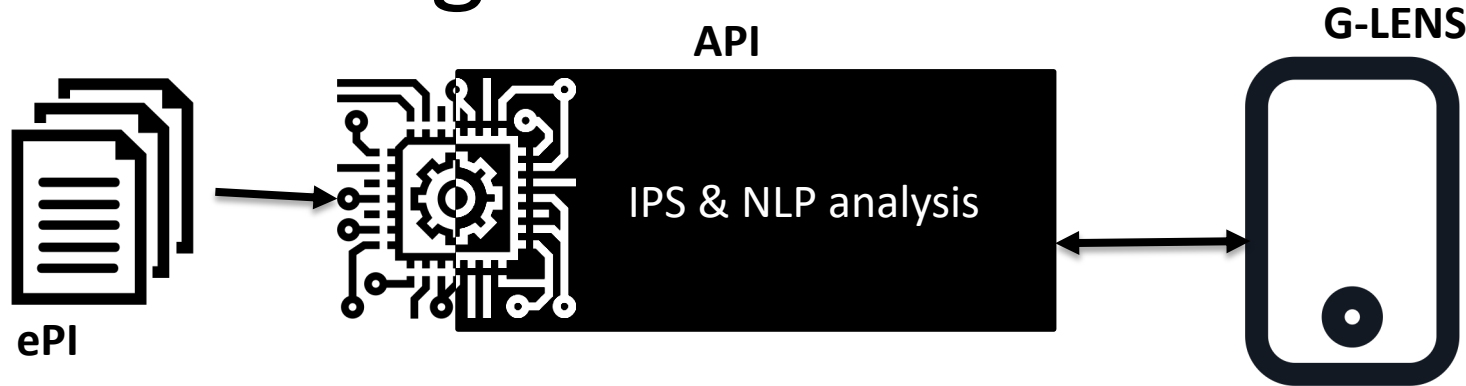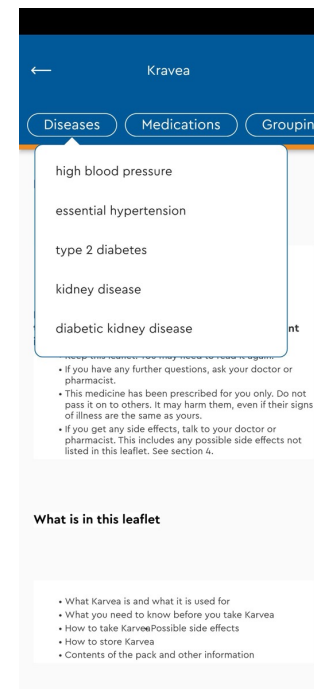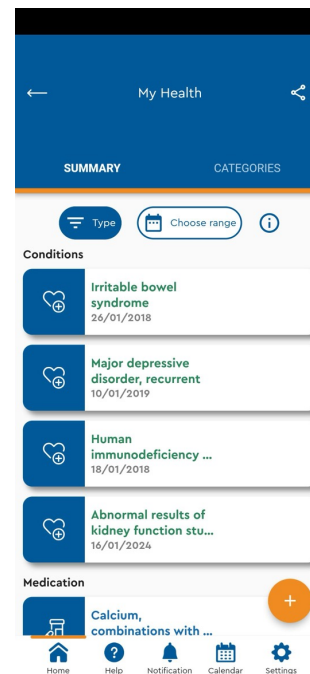
Challenge 2

G-LENS

API

IPS & NLP analysis

ePI

Mobile APP:

1) Request for ePI

2) Request for filters

3) Feed with IPS and personalized filters the API
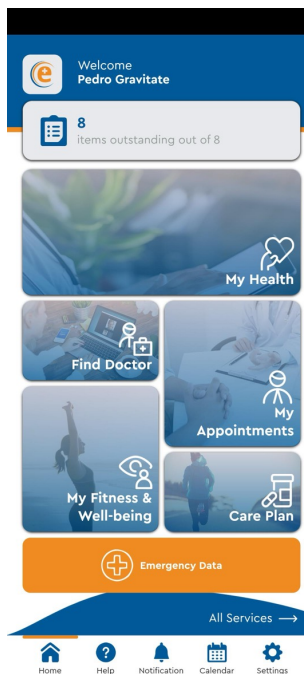
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Challenge 1 - Screenshot

Challenge 2 - Screenshot

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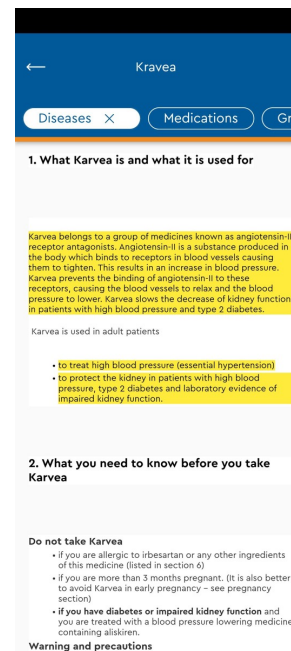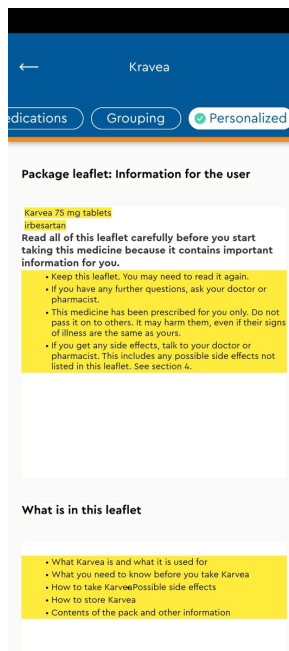
Contact Us

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30 YEARS 1994 - 2024
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