



هاكاثون الابتكار الصحي  
Health Innovation Hackathon



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# OUTLINE

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# The problem



# The problem



**Medication prescription**



**Interaction between  
previous and recent  
prescribed drugs**



**Serious side effects**

# Proposed Solution



A platform to prevent medication errors in an integrated manner by studying the potential effects and interactions of medications. Using AI, with customized recommendations, aligned with Saudi's vision and contributes to enhancing drug safety and promoting optimal health outcomes.



# Proposed Solution



Full access to recipes



AI Implementation

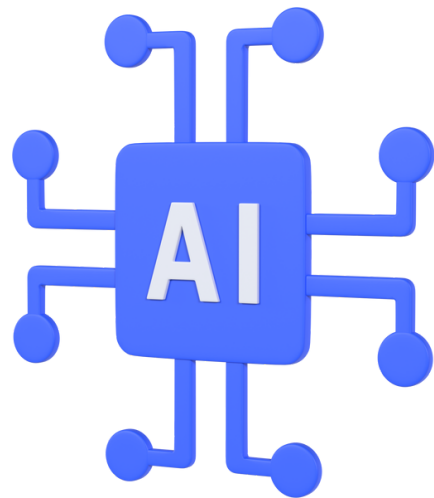


Recommendations



Optimal Health Outcomes

# Added value



**AI-Driven Analysis**



**Enhanced Drug Safety**



**Alignment with 2030 vision**



# Target Group



**Patients**

**Healthcare Providers**

**Healthcare institutions**



# Costs and feasibility



Development and  
Implementation Costs

10,000 SR

Equipment and devices

12,000 SR

Technology  
Infrastructures

8,300 SR

Licensing and  
Subscription Fees

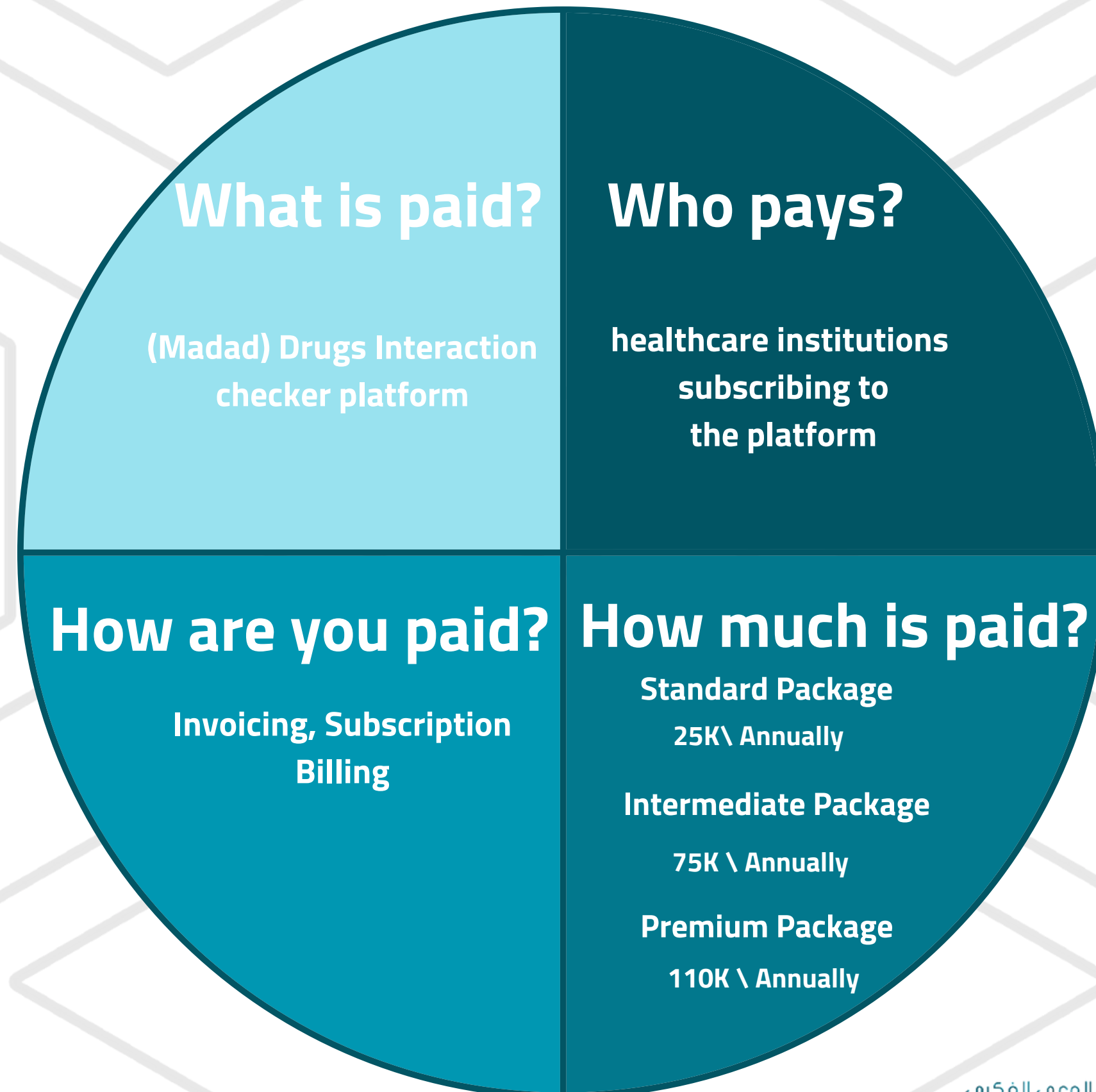
4,500 SR \ Annually

Total cost of our solution: 34,800 SR

Our Solution **Ease** to  
implement because!

accuracy			0.81
macro avg	0.66	0.47	0.44
weighted avg	0.77	0.81	0.76

# Revenue Model



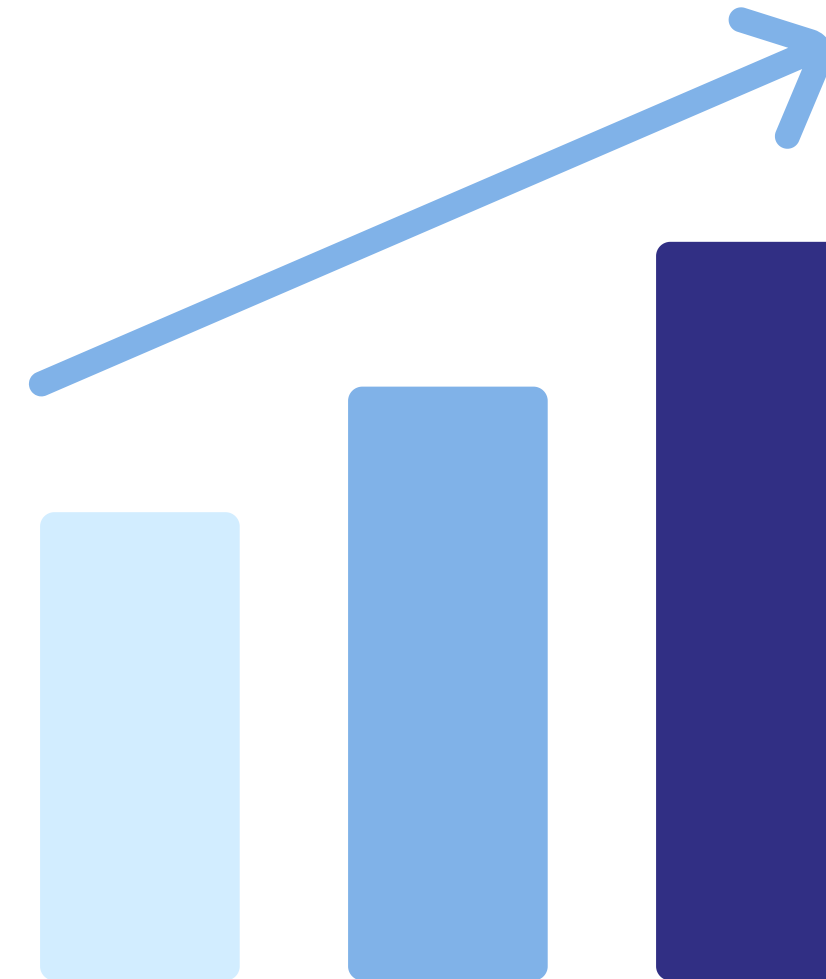
# Next Steps



**Integration with "NPHIES"**

**Monitoring and Evaluation**

**Study the Patients history**



# Prototype



# Group members



**Shrouq Mohammed**  
Information Systems



**Rand Albej**  
Software Engineering



**Sama Alothman**  
Information Systems



**Njoud Alanazi**  
Information Systems



**Reyouf Alanazi**  
Information Systems







شكراً لكم  
Thank you



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