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# FALAK: TOWARDS FOSTERING ASTRONOMY'S LEARNING, AWARENESS AND KNOWLEDGE

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## 1 Abstract

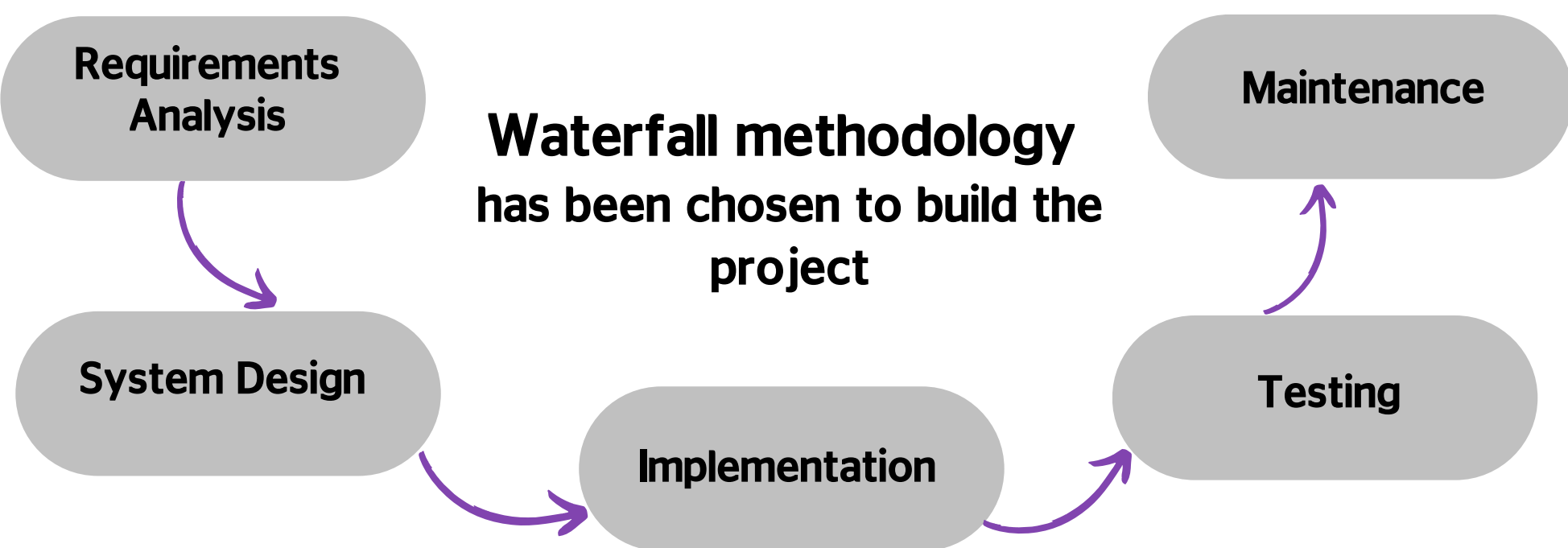
Astronomy is a significant topic and considered as one of the recurring contemporary issues in the media where many new exoplanets and space tests are frequently appeared. Our study sheds the light on the lack of knowledge in the society about astronomy and the competent Saudi authorities towards helping amateurs to get support. We envision FALAK app as a reference platform for both amateur and explorer users in the kingdom to share their interesting findings and images.

## 3 Challenge points



No Saudi astronomy application  
No Arabic astronomy dataset

## 5 Methodology



## 2 Objectives

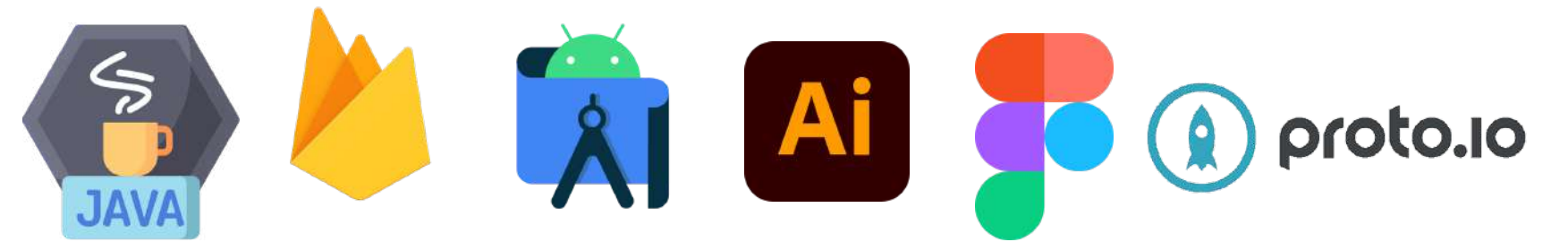


Helping amateurs to get support by sharing their interesting findings and images



Raising community awareness about astronomy field generally and in Saudi Arabia specially

## 4 Tools

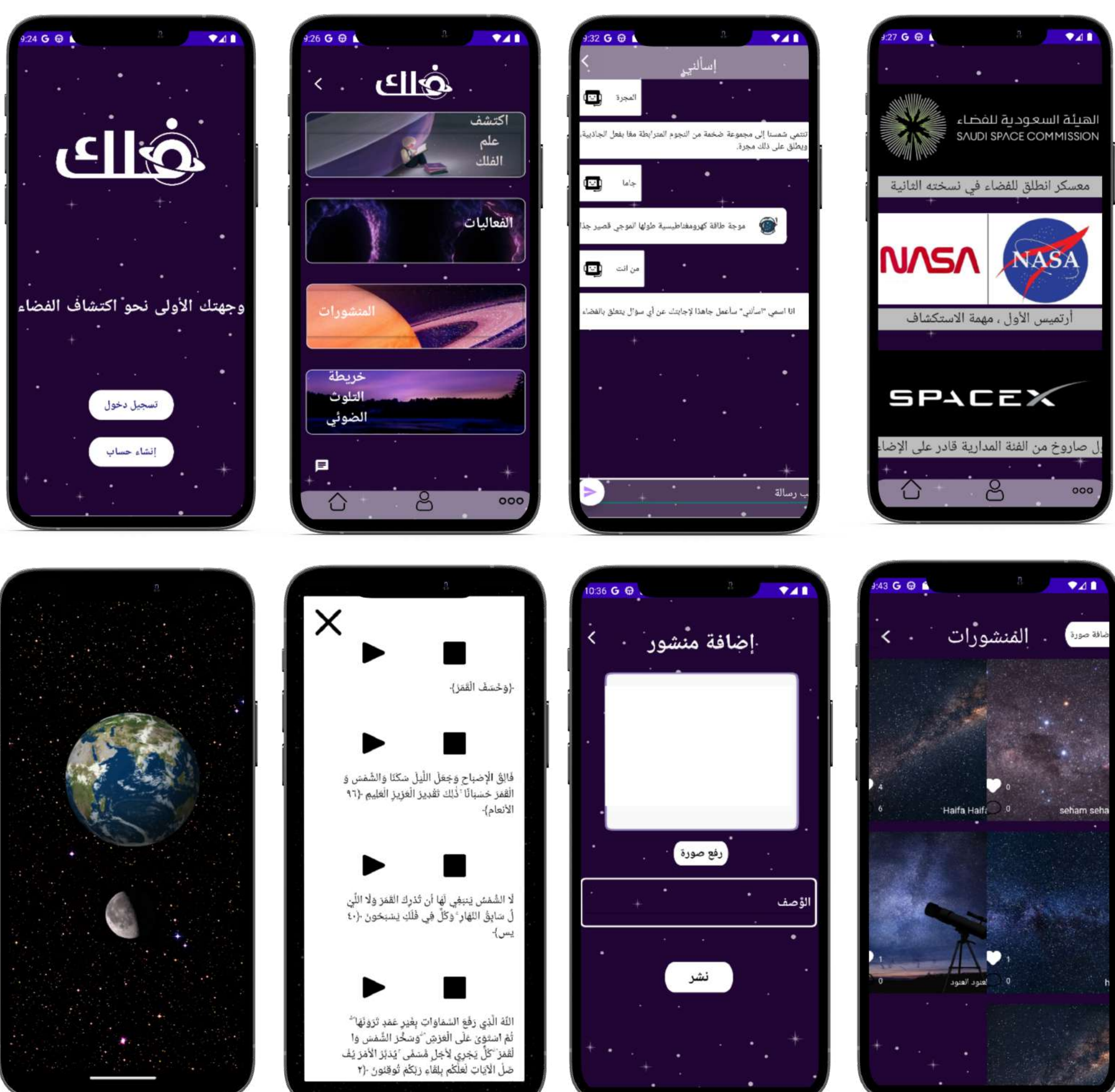


## 6 Dataset



FALAK Arabic dataset based on astronomy field and competent Saudi authorities.  
Quranic dataset built for 3D model.

## 7 Interfaces



## 8 Results



## 9 Conclusion and Future work

In today's society, technology plays a critical role. We would live very different lives today if it weren't for technological advancements in so many ways. By developing this application, we are contributing to increase astronomical awareness.



Developing an AI chatbot that uses NLP



Supporting English language besides Arabic



Providing exploratory trips service



Providing the light pollution map



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