

## Domain Analysis:

- **Introduction:**

Since recently, we have witnessed a huge development in the world of technology and it has become a very important part of our daily life. Therefore, it has become our duty to develop further in the field of tourism to keep pace with the age of technology in which we live and to help tourists understand our ancient civilization.

- **Glossary:**

\* Picture: the photo of a person (like a pharaoh), historical place, or hieroglyphic symbols. Tourists will pass photos as input to our app in two types.

- Saved pictures: The tourist will choose from the gallery on his phone.

- Scan pictures: The tourist will use a mobile camera to capture a photo.

\* Temple dates: times temple opens and closes.

- Usual dates: times temple opens and closes every day of the week.

- Unusual dates: times the temple opens and closes on special days like the sun perpendicular to the Karnack temple.

### **Clients and users:**

Potential customers are tourists from 15 to above who have the intention to visit Egypt and want to know information about a temple or a king of ancient Egypt or want to translate a saying from the hieroglyphic language to English and vice versa.

- **The environment:**

The actors all have a smartphone on their bags; it is most common for this to be android based, but a significant minority of potential clients uses other platforms.

- **Tasks and procedures currently performed:**

- 1) The App can recognize hieroglyphs symbols and translate them to English.
- 2) The app can recognize the photo or statues of kings and give information about this king in the photo.
- 3) The system can store data for visiting for every user and visit time (history of visiting).
- 4) The app can show the price of tickets for each tourism place.
- 5) The app has a map for tourism places to get the place you want faster.

- **Competing software:**

No Software system can do tasks our app does, our application allows you to Know the price of tickets and time of open and close for the temple or any historical place, and help you to translate from the hieroglyphic language to English and vice versa. They can also store data for visiting for every user and visit time (history of visiting). Such that it is possible to find the best schedule for a given visit.