

# InSight Guide – Mobile Tourist Service for Tourists and Travelers

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**Abstract**— A tourist's assistant mobile application is proposed. This application is an additional guide of numbers of little-known sights in any city. It has possibility to extend database of sights, use social networks and cloud resources.

## I. INTRODUCTION

We consider the IT-service for traveling. The guide tool on city's sights is proposed. Tourists interested in all sights round him or placed nearby. One of such service is Google Goggles (B)[1] but it stores only information about famous sights. There are any guides such as InSight (A), goTo (C) [2]. The result of comparison is shown in the Table 1.

TABLE I. COMPARISON OF DIFFERENT GUIDE SERVICE

	Guide services		
	A	B	C
Current location	Y	N	Y
Detailed description	Y	Y	Y
List of nearby monuments	Y	N	Y
Distance to the monument	Y	N	Y
Coordinates	Y	N	N
Simple interfaces	Y	Y	N

The proposed solution helps to store information about all sights in particular locations. This information could be stored not only by moderator but by regular user. This information could be different from traditional and be an interesting addition. It could be interesting not only for tourists and for the citizen.

## II. MAIN PART

The proposed application is a mobile Android based application. It has client-server architecture with client part for user and server part as service. The server part is published at the cloud resource. The application determines the user's location and proposes the sights round the 200m from the location. After that user can choose the sight and get image of a sight (see fig. 1) and detailed information (see fig. 2). The set of sights should be created and stored in the storage before using. This is freeware service and it could be used in the small cities with number of little-known sights. The application has a number of advantages compared with the known (see Table 1.).

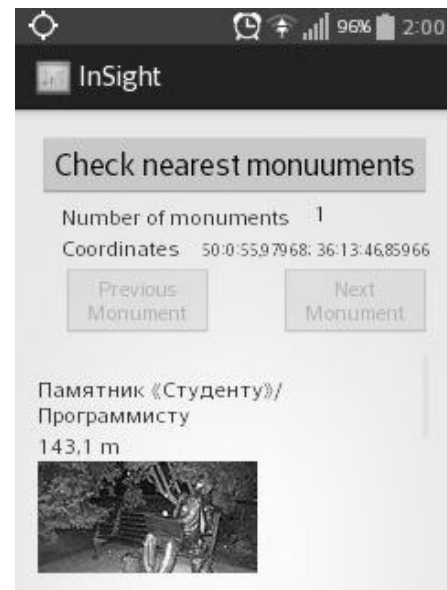


Fig. 1. In Sight – object



Fig. 2. In Sight – description

The main advantage is the ability to search sights nearby the user's location and to expand the sight database. The application is activated only by user's request.

When starting the program, it gets GPS location and user can activate JSON request to the server. The number sights are found at the server side. They are nearby the 200m range of personal location. Then the JSON response is generated and a list of sights is formed. List is sent to the user. User chooses a sight and gets corresponding information (see Fig. 1, 2). Additionally, the user gets detailed description about a sight (see Fig 2). User can go back to request and get information about another sight.

### III. CONCLUSION

To sum up, now it's possible to conclude, that the application "InSight" is a good tourist's assistant in any city. The particular point is that to maintain the application in the city we have to maintain the database of sights there. We have to moderate the database and moderator has to control access to the cloud resources. This application is interesting to use in the social networks. And this task is a future direction to farther developing.

### REFERENCES

- [1] Google goggles - <https://play.google.com/store/apps/details?id=com.google.android.apps.unveil&hl=ru>
- [2] goTo - <https://play.google.com/store/apps/details?id=com.codeartservices.goTo/>