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## **Offline Aerial Map System**

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Abstract: Maps are the basic need of the day-to-day life. Since we can't travel or go to any unknown environments without any navigation. For exploring different areas or different countries we need to be guided in these environments. We can get guidance through online maps which are provided by map viewers, but in some areas, we don't get the network and we may get lost in the unknown places. In order to avoid those situations, we need offline maps which can provide us the proper directions and the view of the area. In this project, an offline aerial mapping application is developed. The application is able to display the map of the whole world while online or, display a pre-downloaded map while offline. So that aerial vehicles can navigate their path and avoid any sort of miss direction. By using GPS nearby vehicles position can be tracked down to avoid accidents. It satisfies the need even if we lack internet connection or stuck in a place with no network.

Keywords: Offline, Open Street Maps, GPS, JVM, MySQL, Searching.

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