



Web-Based Geospatial Application: Tool for Real Estate/Property Management

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ABSTRACT

Real Estate/Property management business is one confronted with many challenges despite its enterprising nature. In a digital world such as ours today, innovative ways of marketing and managing landed and housing properties are being sought to overcome those challenges. The research project is a GIS solution intended at introducing innovation into the digital marketing and management of landed, housing and other properties such as vehicles and machineries, Agro-Industrial and Household equipment. In this project, these three categories of estate/property dealers were the players: Estate managers, house agents and property users. A model was evolved with the application of geospatial technology to map the available properties in preparation for real business transaction between the players. It is a web-based system which requires the internet solution to facilitate rent, lease, sell and purchase of houses, estate and other related properties. The geospatial system has been test-run to be interactive, communicative and provide instant feedback on the search for available properties of choice. The 'Search' option connects with the Google map to display the location of the property. The user have the option of viewing both the photographs and video-clips of each property upon which a choice can be made among many alternatives. The following tasks were accomplished through the project: the task of searching for accommodation/landed properties in any locations of choice from the comfort of one's room; reduce the time spent on roaming the streets in search for accommodation/landed properties; locating house/property agents or developers without any hassle; panoramic view of the property/house to be rented, leased or purchased; a chatting platform for interaction on the property; contacting the agents or company concerned to seal up the deal; viewing the location map/google map of the property site; uploading of detailed information about the property by the agents or companies; platform for membership by agents and companies involved in the business of estate management/property development. It is recommended for adoption in the business of managing real estate and properties.

Keywords: Estate, Property, Web, Map, Geospatial, GIS, Google, Location, Management.

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