Mobile Virtual Heritage Exploration with Heritage Hunt with a Case Study of George Town, Penang, Malaysia

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Abstract

Computer games with fully intensive graphics are very common in desktop computers or game console, but the development of mobile games with intensive graphics are fairly new. With the advancement in mobile phone technology, it is possible to create a mobile game incorporates integrate the virtual reality techniques. In this paper, the authors present a virtual heritage application called M-Heritage Hunt that integrates virtual reality and game for mobile platforms. M-Heritage Hunt provides panoramic views of the heritage sites and a game background that is customized for the core of heritage zone of George Town, Penang in Malaysia. M-Heritage Hunt was evaluated and examined by letting the respondents to play the game in its proposed setting.