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| 学号: | 1306010517 |
| 年级: | 13级 |



**本科毕业设计**

**基于百度地图和Bmob后端云存储的租车平台的设计实现**

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| **专 业** | 计算机13级 |
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| **评 阅 人** |  |

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**中国 南京**

**BACHELOR'S DEGREE THESIS**

**OF HOHAI UNIVERSITY**

**Design and Implementation of**

**bike rental platform based on Baidu map and Bmob cloud storage**

College ：Hohai University

Subject ：Computer science and technology

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摘 要

近几年，特别是近两年来，共享单车如雨后春笋一般在全国各地不断涌现，以摩拜单车为代表的共享单车正在服务着通过互联网连接的我们，伴随着共享单车的盛行，人们的出行越来越离不开共享单车，这种共享经济极大地给人们带来了便利。同时我发现大家的自行车多数时候都处于闲置状态，所以产生一个想法，开发一个租车平台将大家闲置的单车出租出去，更好的利用资源。在这篇论文中，主要是基于百度地图、Bmob云存储、安卓平台的租车平台的设计与实现，百度地图提供了基础地图、实时定位、室内定位、导航、POI检索、路线规划等一系列有关地图和地理信息方面的API,其中定位的方式多样化，采用GPS、WIFI基站、IP混合定位模式。Bmob后端云存储提供了实时数据与文件存储功能，轻松实现应用“云与端”的数据连通，提供可视化的云端数据表设计界面，轻松建库建表。支持10种数据类型存储：如字符串、整型、数组等。Bmob通过提供的API接口和多语言的SDK，为平台提供快速上传、安全可靠的数据存储服务。租车平台的出发点是对大学生闲时单车的利用，本着诚信原则，拥有单车的学生可以使用租车平台出租自己的单车，有租车需求的学生可以在租车平台上进行租车，骑行结束返还单车，进行计费服务。

**关键词：**百度地图；Bmob云存储；共享单车

**ABSTRACT**

In recent years,especially in the past two years, the sharing of bicycles has been sprung up everywhere in all parts of the country. The shared bicycles ,represented by Mobike,are serving us via the Internet,along with the prevalence of shared bicycles. People travel more and more inseparable from sharing the bike,this shared economy has greatly brought convenience to people. At the same time I found that most of the bicycles are in idle state, so produce an idea, develop a bicycles rental platform so that people can rent out their own idle bicycles, better use of resources. In the thesis, mainly about the design and implementation of bike rental platform based on baidu map, Bmob cloud storage,Android platform. Baidu map provides a basic map, real-time position, indoor position,navigation,POI search,route

**Key words:** sediment；rigid vegetation；settling velocity；turbulence characterize

（**Times New Roman** 小4）