2021

social application : https://aa171asocial.surge.sh/

2015 year

Figure 1: Dormitory management system provides information registration function, information modification function, accommodation fee calculation and payment function for students and teachers

Figure 2: Simple operating system, composed of three parts: process management, disk management and file management, with process communication function

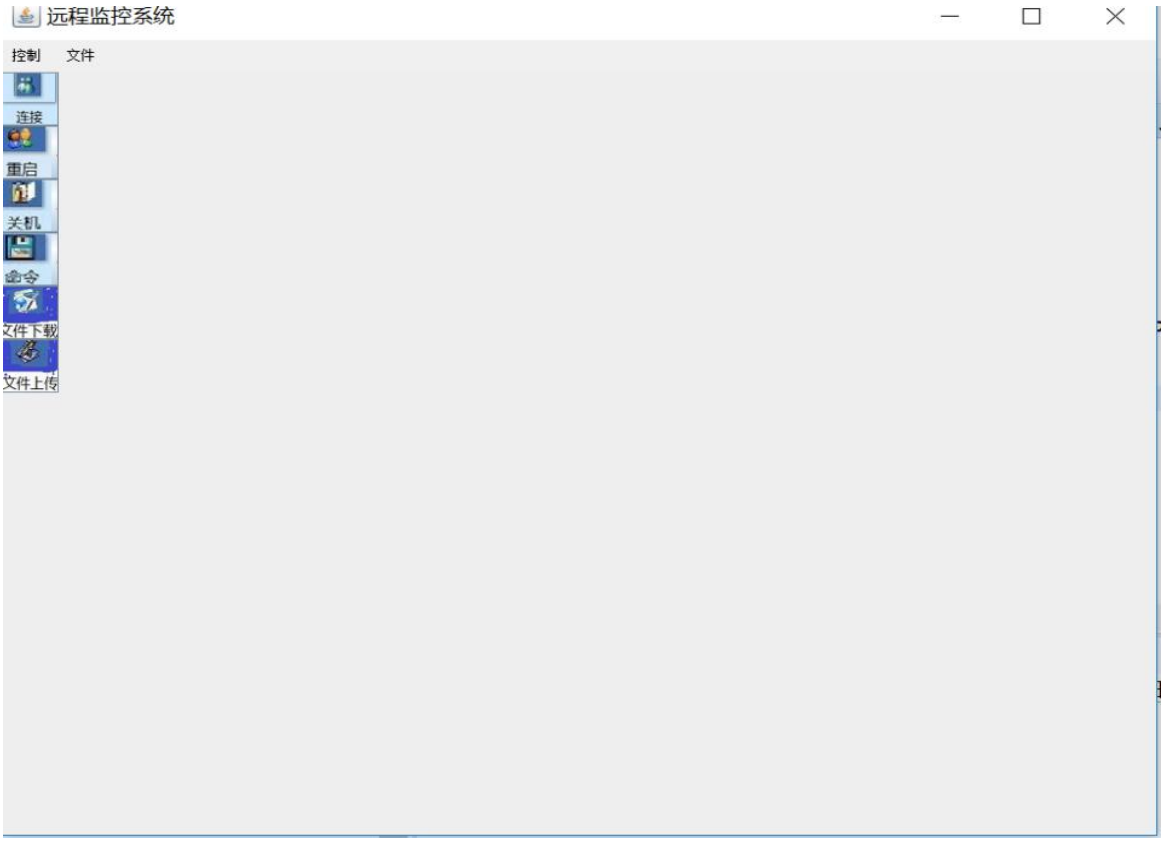


Figure 3: Desktop monitoring system, including desktop monitoring, sending CMD commands, downloading files, sending files, etc.

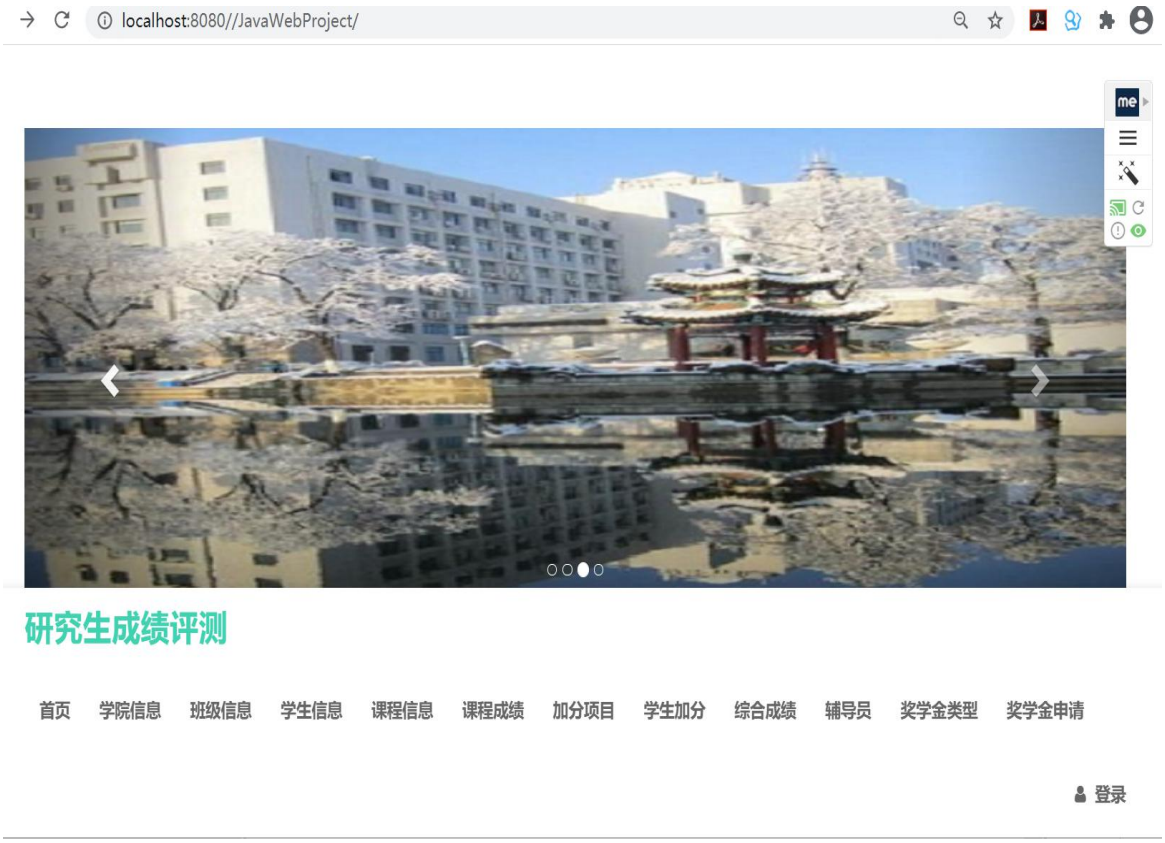


Figure 4: The postgraduate performance evaluation website provides personal information of graduate students, school information, a fairer performance evaluation system, and scholarship applications and other functions

Matching passengers and drivers in traffic

ABSTRACT

With the rise of people's living standard, people's travel has been greatly improved. However, with the rapid development of urban transportation and the rapid increase of urban population, various hidden dangers have gradually emerged. For example, too many private cars do not reduce the time of people travel, conversely, increase the pressure of urban traffic, besides, excessive exhaust emissions bring serious environmental pollution. However, excessive waste and lack of urban transportation resources make urban residents to rely on private cars too much. This puts urban traffic in an infinite loop. In order to solve the problem of difficulty in taxiing, various kinds of taxi app began to appear in people's lives. Although there are a wide variety of taxi app on the market, due to the uneven distribution of users, people often encounter problems such as being unable to take a taxi or being difficult to take a taxi. The purpose of this article is to design a ridesharing applet based on the WeChat . Through the ridesharing applet, check out nearby effective vehicles with pick-up service and take a taxi. The ridesharing applet not only provides dripping express , special car and other taxi requests, but also provides a more popular way of taxiing——ridesharing.

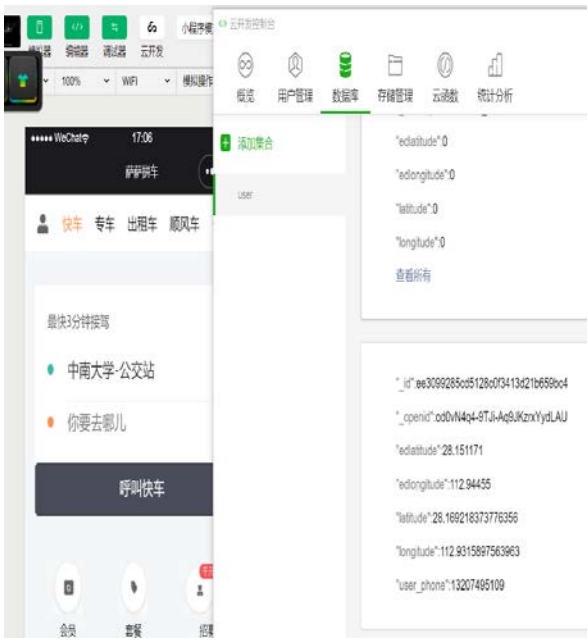
This paper first introduces the current development of the taxi field and some existing problems. Explain the application of WeChat Web Developer Tools, Tencent Map API, Cloud Development and other related technologies in ridesharing applets. This paper focuses on the effects of different clustering algorithms in ridesharing behavior. Simulated ridesharing of passenger data for specific time periods in New York City, and comparing the driving distance and number of taxis before and after ridesharing, it is concluded that which clustering algorithm is more suitable for ridesharing under different circumstances. What’s more, ridesharing applet introduces different types of services such as taxis, rides, special cars, etc. And according to

different taxi requests(dripping express , special car, ridesharing), combined with the research of related technologies, launched the corresponding solution and pricing system. The database service of the ridesharing applet is completed by the cloud database, Easy Mock online data, and the WeChat applet cache database. Through the real machine test and multi-user test of WeChat Web developer tools, it is concluded that the services of the ridesharing applet are stable in the test. Ridesharing applet greatly reduce people's travel costs, but also effectively reduce people's unnecessary travel time.

Key words: ridesharing Clustering Algorithm WeChat applet Cloud development Pricing system Real phone test Multi-user testing

WeChat Cloud Effect picture

WeChat web development tool test page



Cloud data control page

Applet introduction

home page

login

chose service

Origin selection

destination selection

Carpool request

waiting

Request success

finished

request cancel