



NIIT

Hospital Information System

医院信息管理系统

Team
队伍

The Group Of Extraordinary IQ & Appearance
智商颜值爆表队

Track
赛道

Common
普通赛道

Grade
年级

2022

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Menu

目录

I. The Introduction Of Item

I. 项目介绍

II. The Design Of Item

II. 项目设计

III. The Highlights Of Item

III. 项目亮点

IV. The Expectation Of Item

IV. 项目展望



Introduction

The Reason Of Choice

选题缘由

▪ Background

时代背景

As development of the time and advancement of the society, the health

随着时代发展，社会进步，健康逐渐成为大家关注的话题

gradually becomes a topic to which everyone pays widely attention. However,

the traditional hospital information system doesn't adapt the needs for

但是传统意义上的医疗服务管理体系已经不能适应当前社会发展的需要了

people. Luckily, the developing information technology adapt to which we

而信息技术的发展恰好适应了时代的需求，改变了人类的生产和生活方式

need, changing our work and life. In this way, we ought to change or update

因此，我们要完善现有的医疗信息管理系统

old system to adapt the need of developing society.

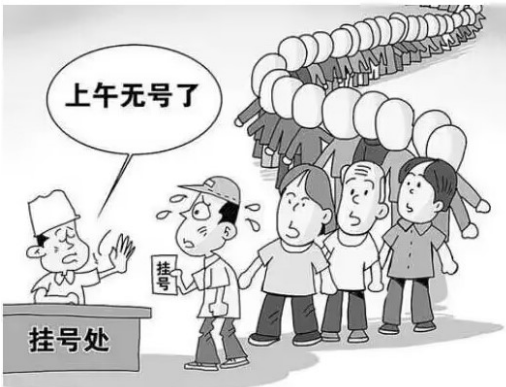
使其更好的适应社会发展需求



Introduction

The Disadvantage Of Traditional System

传统系统的弊端



- Medical resources are unevenly distributed.
 - 医疗资源分布不均

- The price of drugs is not transparent.
 - 药品价格不透明

- The data is large and complex.
 - 业务数据量大且复杂

- Process isn't optimized and visiting time is too long.

- 就诊流程不够优化，就诊时间长



Design The Concept Of Design

设计理念

Depending on the internet, the big data, the AI, the cloud platform and so on,
借助于互联网、大数据、人工智能、云平台等新科技时代的产物，重新建立新的医疗生态链，完善

we could reset the new Medical Ecological Chain and perfect the hospital
一款适应社会需求的医院管理系统。

information system which adapts the need of society. In this way, we can

come true an easier process, a more pellucid experience and a more
实现简易的流程，透明的体验，高效的管理。真正实现以患者为中心。

efficient administration management. Realize the control of the patient in

the end.



Design The Analysis Of Demand

需求分析

· **The analysis of target** Attain on the experience of visiting doctor visual and transparency. Improve the efficiency of hospital management.

· 目标分析：达到可视化、透明化的就医体验及高效化的医院管理。

efficiency of hospital management.

· **The analysis of value:** Promote the building of hospital information, and make management in hospital

· 价值分析：有效促进了医院信息化建设，实现了医院内部管理一体化，提高了医院医务办公自动化水平、工作效率和

integrated. It not only promotes working automation and management standard, but also improves the quality

管理水平，改善了医疗质量

of medical care.

· **The need of users:**

· 用户需求：

① **Hospital Management:** Require all departments' system integration to improve connectivity,

① 医院管理方面：要求将各科室的系统进行整合，使其互联互通，通过各科室之间的信息共享，提高

working-efficiency and management-standard.

医院的管理水平和工作效率。

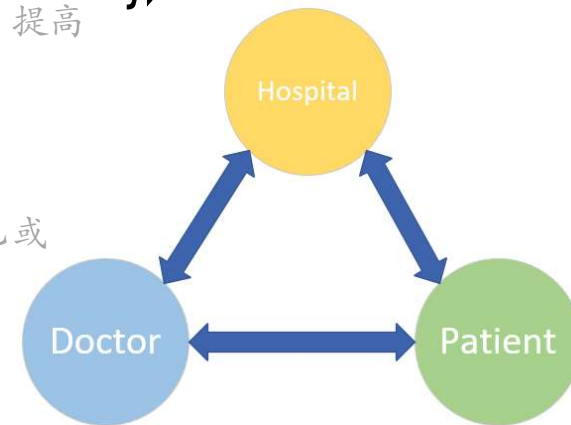
② **Patient Visiting Doctor:** Require to design an easy and comprehensive interface to

② 患者就诊方面：要求设计简洁但又全面的界面，使各年龄层的患者都能轻松的挂号、了解自己或

make everyone registers, understand myself or family message and more message of

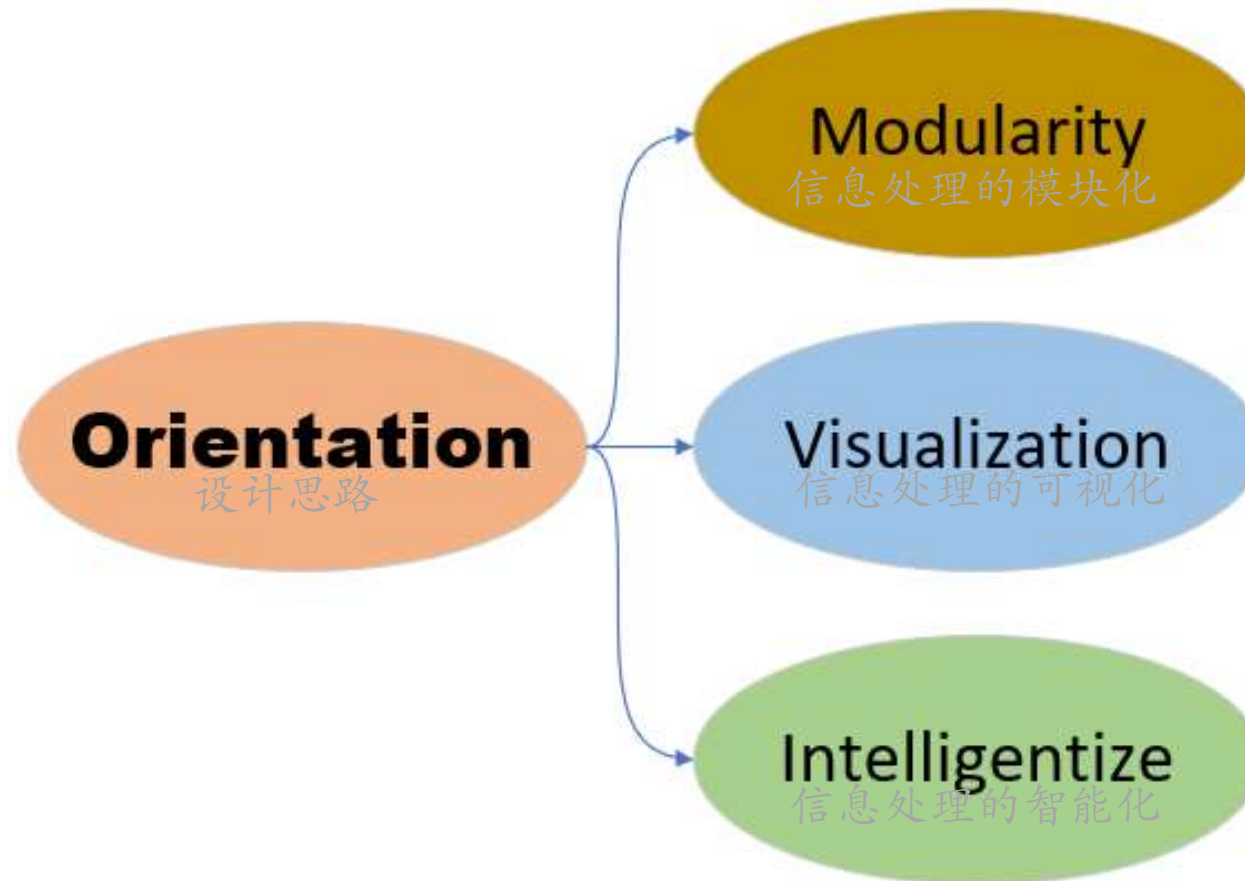
家属的基本诊疗情况、了解可视化透明化的药品信息。

medicines.



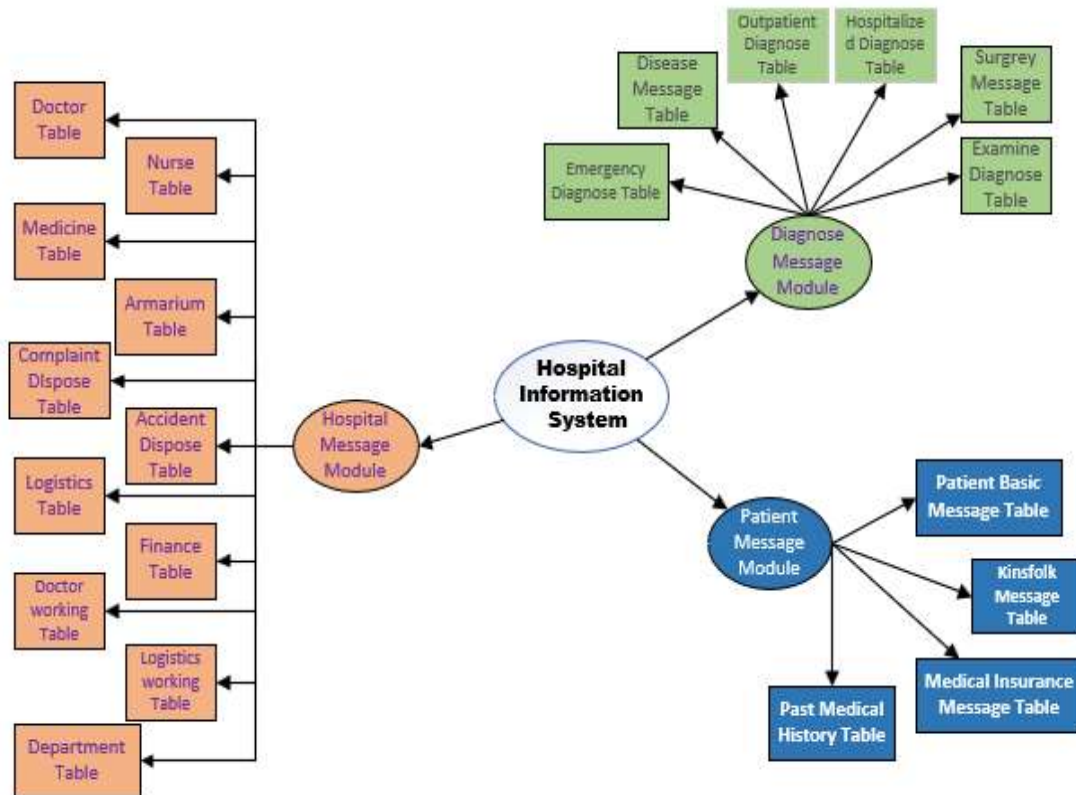
Design The Orientation Of Design

设计思路



Design The Orientation Of Design The Modularity Of Message Manage

信息处理的模块化



We divide all message into *Hospital Message*
我们将医院的整体信息分为“院务信息模块”、

Module, Patient Message Module, Diagnose
“诊断治疗模块”、“患者信息模块”三大类。

Message Module and depend on these types to

make the message stockpile. In this case, the
并且按照三大类型对所获取的信息进行归档分类，

stockpile and management of message could
进一步优化对信息的存储和管理，使筛选信息更易执行。

easier execute.



Design

The Orientation Of Design

The Visualization Of Message Manage

信息处理的可视化

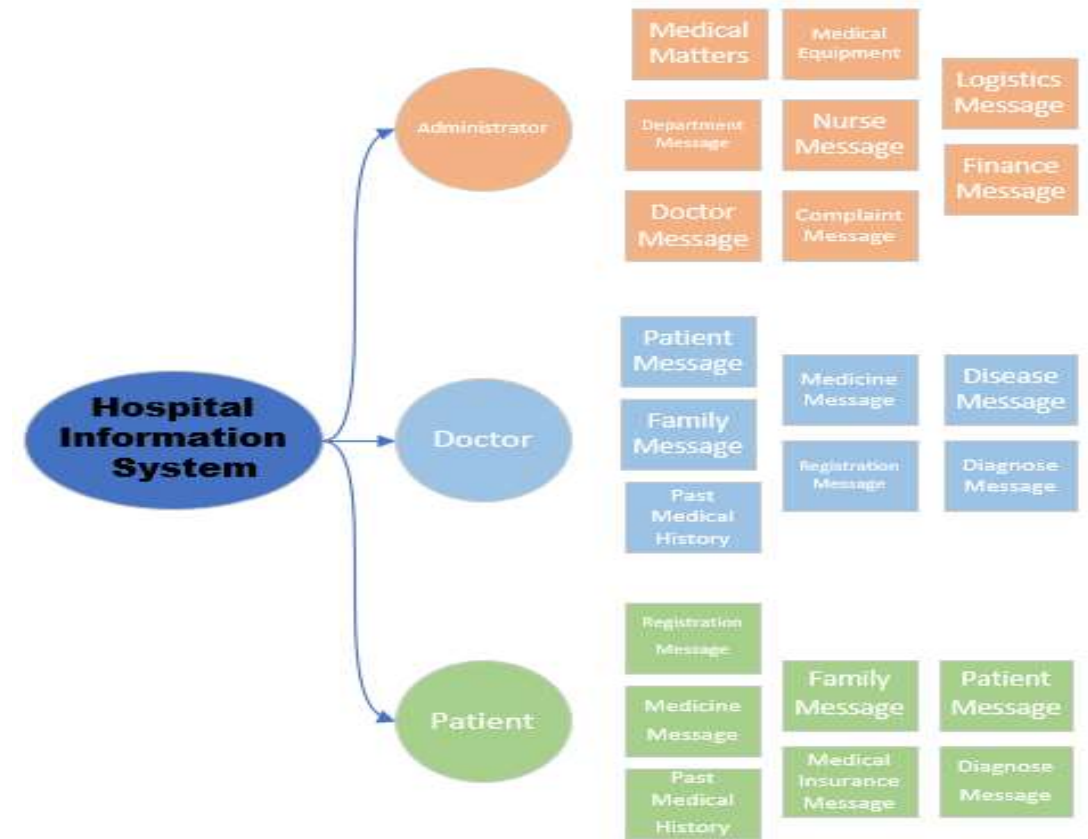
This system rely on picture to show the
该系统以图像的方式表示信息处理的过程。

process of disposing message. Every

users can understand the rate of
各用户可借助“处理流程图”直观的了解当前的进程，

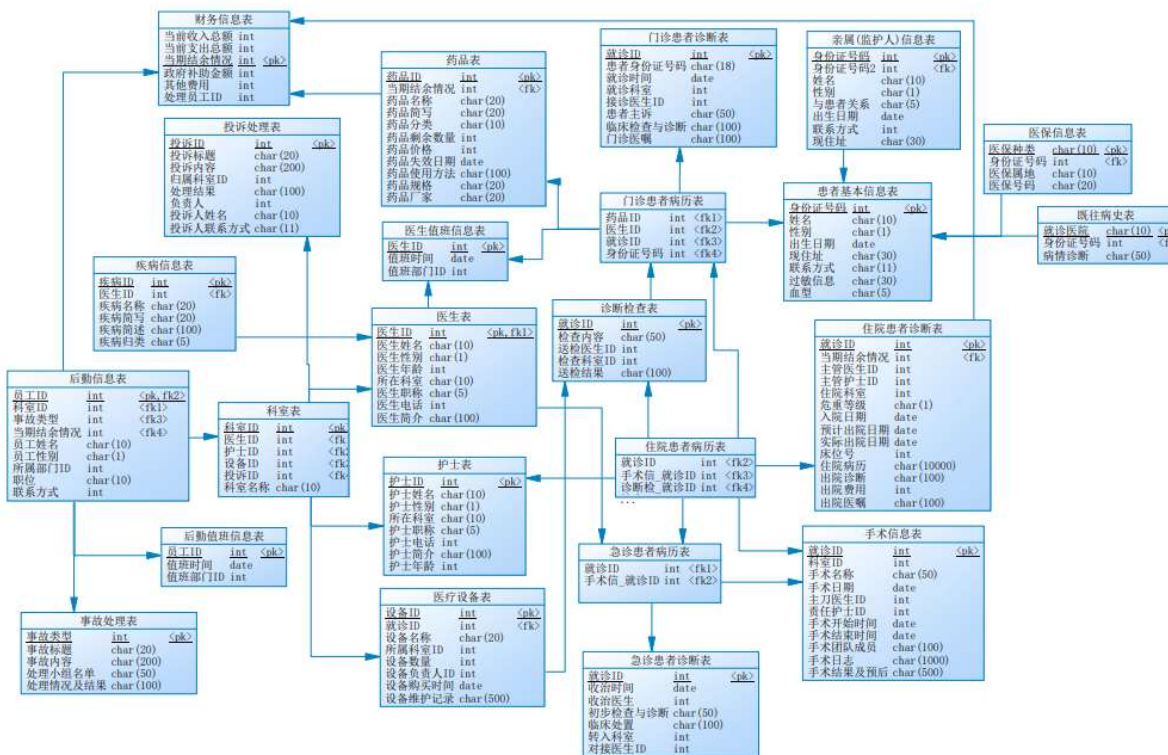
progress directly across *disposing flow*
并且及时对下一步行为做出预判与计划。

chart, forecasting or planning the next
in time.



Design The Orientation Of Design The Intelligentize Of Message Manage

信息处理的智能化



When design the databases, we try our best
在数据库设计时，对各用户端推送的信息进行最大
程度的简化，使得各用户可直观的获取自己需求的
in order to make users award visualized
message. In the condition of users' privacy,
在保护各方隐私的条件下，极大限度的将就诊流程
we make all message ovetest and most
和院务管理信息公开透明化，充分保障各方的知情权。
transparency to guarantee every users'
right to known.



Highlights The Advantage Of System

系统优势

1. Standardize the development of hospital

1. 通过透明化的信息规范了医院的发展

across pellucid message.

2. Facilitate more accurate of message

2. 便于医院更精细化的信息管理

management.

3. Make more convince and quicker

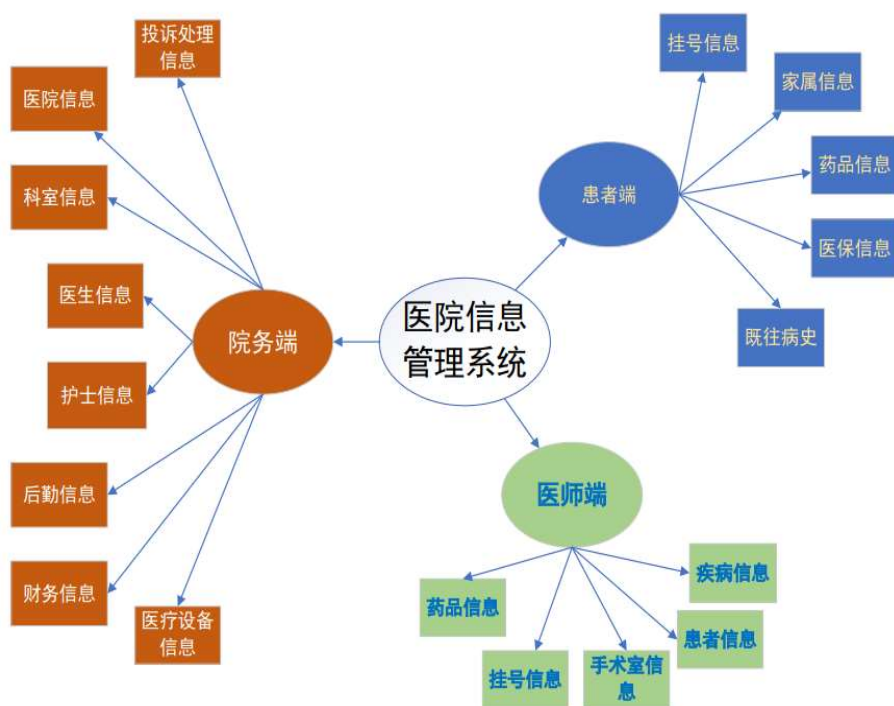
3. 通过智慧服务让患者感受更加方便和快捷

experience for patients across Smart

Service



Highlights



The efficient of information reception. Make management, diagnose information accept ways efficient. Will hospital management, diagnosis, medical treatment, etc. information acquisition integrate after disposing them by cloud organic combination,借助本信息接受方式的高效化。将医院管理、诊治、computing in this system and pushing useful message for every user's medical treatment, etc. information acquisition integrate organic combination,借助本系统进行云端处理后, system.

进程,提前知道下一步的诊疗行为。

The visual of information dispose. Every departments and patients information process visualization. Hospital departments and patients can see self information process could understand own message processes so that they can plan next behavior earlier.

The succinct of information output. Greatly reduced the useless information output results simplification. Greatly reduced the useless information output results simplification.极大程度地减少了放到客户端中的繁琐无用的信息。And every user can get the need of message directly.



Summarize & Expectation

总结与展望

Through this project, we learned that we must not only apply what we have learned, but also we should innovate. In the process of continuous improvement of the project, not only what the teaching content of the teachers is constantly mastered and innovated, but also the cooperation between the team is becoming more and more tacit.

通过本次项目，我们明白了不仅要应用好所学的内容，同时还要有所创新。在不断完善项目的过程中，不仅老师的教学内容在不断的熟练掌握并加以创新，而且团队之间的配合越来越默契。

Thanks for the help of the teacher teaching during this time, due to the limited time and knowledge, the relevant content of some projects is not all perfect, I believe that our group will live up to expectations, improve the project as soon as possible, and strive to submit a beautiful answer.

谢谢这段时间老师教学的帮助，因时间和知识有限，有些项目的相关内容没有全部完善，我相信我们组定不负期望，早日将项目完善的更好，努力交上一幅美丽的答卷。

小组合影



[illegible]