

设计文档

编写：李伟 1711350

数据字典

Table Overview

This section is the overview of all the tables created by @NKL Group.

Table Name	Description	Relevant Area of NKL100 UI
nkl_activity_info	The information of activities related to the 100th anniversary	Display on Home>>Activities Activities can be published by the managers from the backend.
nkl_bbs_info	The information of BBS messages related to the celebration of the 100th anniversary	Display on Home, Home>>BBS Message can be submitted from Home>>BBS, and can be reviewed from backend.
nkl_bbs_selectRecord	The records of the status of the selected BBS messages	
nkl_history_info	The history information related to NKU	Display on Home>>History
nkl_managers_info	The information of the manages	
user	The login information of users from the backend	
nkl_news_info	The news information of news related to the 100th anniversary	Display on Home, Home>>News, Home>>Statistics News can be published by managers from backend and can be analyzed statistically by E-chart.
nkl_products_info	The info of souvenirs	Display on Home>>Souvenirs
nkl_purchase_record	The records of user's transaction	
nkl_users_login	The login info of user from frontend	

Table Details

The following are the specific fields in each of the tables created during the NKL 100th anniversary celebration development.

1. nkl_activity_info: to record the upcoming activities' information

Field	Type	Null	Key	Default	Extra
activity_id	Int(11)		PRI	NULL	Auto_increment
activity_info	Varchar(500)				
activity_location	Varchar(100)				
activity_beginDate	Date				
activity_beginTime	Time			00:00:00	
activity_endDate	Date				
activity_endTime	Time			00:00:00	
activity_hostDept	Varchar(50)				Host department

2. nkl_bbs_info: to record the information of BBS Boards comments

Field	Type	Null	Key	Default	Extra
bbs_id	Int(11)		PRI	NULL	Auto_increment
bbs_time	Datetime				
bbs_userNickname	Varchar(25)				
bbs_userDescribe	Varchar(50)				
bbs_content	Varchar(500)				
bbs_isSelected	Boolean			0	
bbs_isSolved	boolean			0	

3. nkl_bbs_selectRecord: 用于记录管理员精选留言板内容的表 (后)

Field	Type	Null	Key	Default	Extra
manager_id	Int(11)		PRI	NULL	Fk-->nkl_manager_info,manager_id
bbs_isSelected	boolean				
bbs_solveTime	datetime		PRI		
bbs_id	Int				Fk-->nkl_bbs_info,bbs_id

4. nkl_history_info: to record history information of NKU

Field	Type	Null	Key	Default	Extra
history_id	Int(11)		PRI	NULL	Auto_increment
history_title	Varchar(100)				
history_passage	Varchar(2000)				

5. nkl_managers_info: to record information of managers

Field	Type	Null	Key	Default	Extra
manager_id	Int(11)		PRI	NULL	Auto_increment
manager_name	varchar(25)				
manager_sex	char(1)	Yes			
manager_email	Varchar(50)				
manager_stuNum	Int(11)				Student Number
manager_college	Varchar(25)				
manager_major	varchar(25)	Yes			

6. user: to record login information of users from the backend

Field	Type	Null	Key	Default	Extra
id	Int(11)	not	PRI	NULL	Fk~>nkl_manager_info,manager_id
username	Varchar(255)	not			comment ‘账户’
auth_key	Varchar(32)	not			
password_hash	Varchar(255)	not			
password_reset_token	Varchar(255)				
email	Varchar(50)	not			
status	smallint(6)	not			comment‘状态’
created_at	timestamp	not			
updated_at	timestamp	not			
verification_token	text				

7. nkl_news_info: to record news information

Field	Type	Null	Key	Default	Extra
news_id	Int(11)	not	PRI	NULL	Auto_increment
news_title	varchar(100)	not			
news_link	varchar(255)	not			
news_releaser	int	not			Fk->nkl_manager_info,manager_id
news_releaseTime	datetime	not			

8. nkl_products_info: to record souvenirs information

Field	Type	Null	Key	Default	Extra
product_id	Int(11)		PRI	NULL	Auto_increment
product_name	varchar(25)				
product_price	Float				
product_storage	Int				

9. nkl_purchase_record: to record transaction records

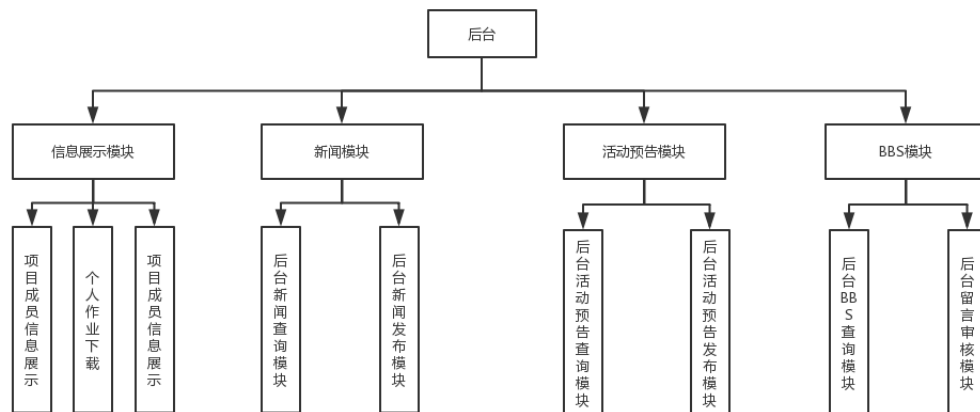
Field	Type	Null	Key	Default	Extra
purchase_time	datetime				
user_id	Int(11)				Fk->nkl_users_login,user_id
product_id	Int(11)				Fk->nkl_products_info,product_id

10. *nkl_users_login*: to record login information of users

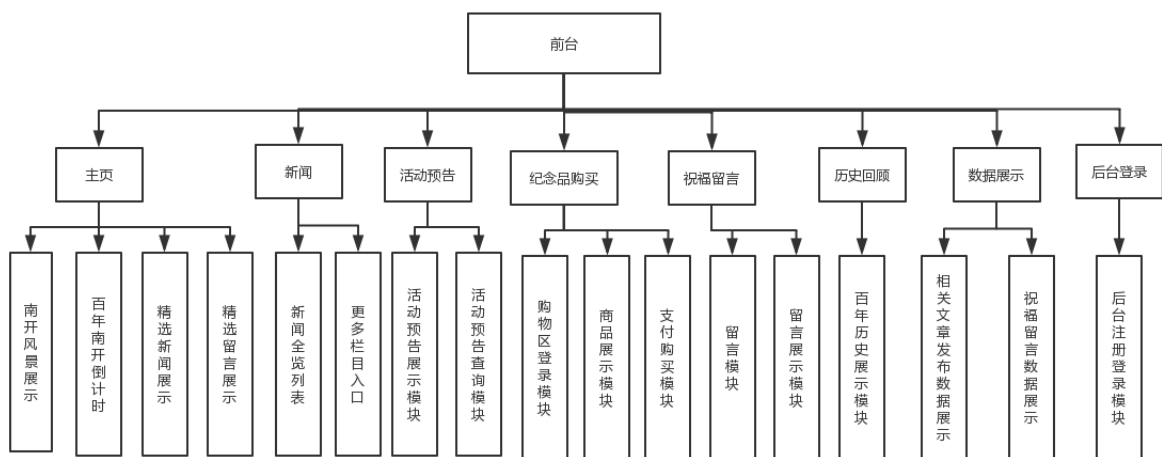
Field	Type	Null	Key	Default	Extra
username	varchar(255)	not		NULL	Fk->user,user_name
password	varchar(255)	not		NULL	
logintime	int(10)	not		0	
loginip	bigint(20)			0	

模块图

- 后台模块图



- 前台模块图



流程图

