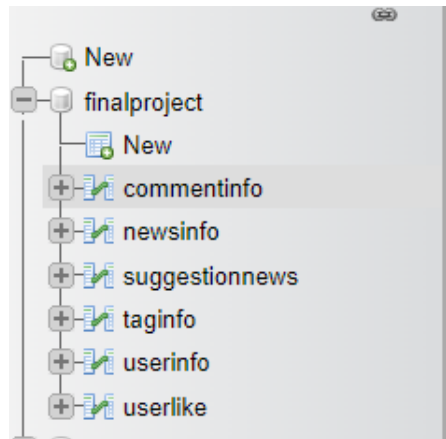


95482 webapp database description

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This is the document for describe the implementation of the database. The name of the database is called “finalproject”. For this project, there are total 6 charts: including: newsinfo, commentinfo, suggestionnews, taginfo, userinfo and userlike.



1. Userinfo:

This chart is for store the basic information for the users. The structure of the database is as below:

Table structure										
Relation view										
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	
<input type="checkbox"/> 1	userName	varchar(255)	utf8mb4_general_ci		No	None			Change	Drop More
<input type="checkbox"/> 2	userEmail	varchar(255)	utf8mb4_general_ci		No	None			Change	Drop More
<input type="checkbox"/> 3	password	varchar(255)	utf8mb4_general_ci		No	None			Change	Drop More
<input type="checkbox"/> 4	DOB	date			Yes	NULL			Change	Drop More
<input type="checkbox"/> 5	phoneNum	varchar(255)	utf8mb4_general_ci		No	None			Change	Drop More

The primary key is username.

The example of the chart content is as below:

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	userName	userEmail	password	DOB	phoneNum
<input type="checkbox"/> Edit Copy Delete	Daixxz	janettedaii@gmail.com	123	NULL	
<input type="checkbox"/> Edit Copy Delete	jane	1095212454@qq.com	234	NULL	
<input type="checkbox"/> Edit Copy Delete	xuezhend	xuezhend@andrew.cmu.edu	123	2000-09-22	4122142662
<input type="checkbox"/> Edit Copy Delete	zhenzhen	janettedaii@gmail.com	334	NULL	

☐ Check all | With selected: Edit Copy Delete Export

2. Newsinfo

Newsinfo would store the newsId, newsTitle, newsMessage, newsPic, addingtime and # of endorse and number of oppose. It should be noticed that the user cannot add to the newsinfo chart, since not everyone could post a news to the website!

The structure of news info is as below:

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	newsId	int(255)			No	None			Change Drop More
2	newsTitle	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
3	newsMessage	varchar(3000)	utf8mb4_general_ci		No	None			Change Drop More
4	newsPic	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
5	newsTime	date			No	current_timestamp()			Change Drop More
6	endorse	int(255)			No	0			Change Drop More
7	oppose	int(255)			No	0			Change Drop More

The primary key is newsId, and for better looking, in the newsMessage, every paragraph could add<p>,</P>

The example of the news is as below:

Extra options

	newsId	newsTitle	newsMessage	newsPic	newsTime	endorse	oppose
<input type="checkbox"/> Edit Copy Delete	1	Daniel Radcliffe and partner Erin Darke have had t...	<p>Daniel Radcliffe and his long-term partner, act...	https://media.cnn.com/api/v1/images/stellar/prod/2...	2023-04-26	21	2
<input type="checkbox"/> Edit Copy Delete	2	Disney has a 'strong case' against DeSantis over h...	<p>After more than a year-long battle with the bom...		2023-04-28	21	1
<input type="checkbox"/> Edit Copy Delete	3	A bride had just gotten married in South Carolina...	<p>It should have been one of the happiest days of...	https://media.cnn.com/api/v1/images/stellar/prod/2...	2023-05-01	17	1
<input type="checkbox"/> Edit Copy Delete	4	Florence Pugh debuts shaved head at the Met Gala	<p>Florence Pugh rocked a buzzcut and towering fea...	https://dynaimage.cdn.cnn.com/cnn/digital-images/o...	2023-05-01	21	1

☐ Check all | With selected: Edit Copy Delete Export

The example of the data would be like:

1) newsTitle: Daniel Radcliffe and partner Erin Darke have had their first child

newsMessage: <p>Daniel Radcliffe and his long-term partner, actress Erin Darke, have had their first child.</p>

newsPic: https://media.cnn.com/api/v1/images/stellar/prod/230326114710-daniel-radcliffe-erin-darke-090822.jpg?c=16x9&q=h_720,w_1280,c_fill/f_webp

2) newsTitle: Disney has a 'strong case' against DeSantis over his 'retaliatory campaign,' First Amendment experts say

newsMessage:

<p>After more than a year-long battle with the bombastic Florida governor, the entertainment behemoth filed a blistering lawsuit in federal court, not mincing words as it alleged that it had been the victim of a "targeted campaign of government retaliation" for having the gall to speak out against the so-called "Don't Say Gay" bill.</p>

<p>"Disney regrets that it has come to this," the company said in its lawsuit, arguing that it found itself in the "regrettable position" because it "expressed a viewpoint the governor and his allies did not like." Disney added, "In America, the government cannot punish you for speaking your mind."</p>

<p>The lawsuit, the culmination of ever-growing hostilities between the Magic Kingdom and Sunshine State, was filed moments after a DeSantis-appointed board moved to recover power it had lost over Disney's special taxing district. Earlier this year, Disney quietly outmaneuvered the board and struck a decades-long deal to ensure it retained authority over the land around its sprawling Orlando-area theme parks.</p>

newsPic: null

3. Taginfo

Taginfo is to store the information of tags, including tagId, newsId, username, tagMessage,tagTime. The structure of the taginfo is as below:

















Table structure									
Relation view									
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 tagId	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2 newsId	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 userName	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4 tagMessage	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	5 tagTime	date			No	current_timestamp()			Change Drop More

One example of taginfo is:

Extra options									
				tagId	newsId	userName	tagMessage	tagTime	
<input type="checkbox"/>	 Edit	 Copy	 Delete	644d3cff1913e	2	xuezhend	Entertainment	2023-04-29	
<input type="checkbox"/>	 Edit	 Copy	 Delete	644d742f044b9	1	xuezhend	Entertainment	2023-04-29	
<input type="checkbox"/>	 Edit	 Copy	 Delete	64512c32024ec	3	xuezhend	crime	2023-05-02	
<input type="checkbox"/>	 Edit	 Copy	 Delete	64512c4adb81b	3	xuezhend	bad news	2023-05-02	

4. Commentinfo

This table is for storing the content of comment submitted by users. The structure is :

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	commentId 	varchar(255)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/> 2	newsId	int(255)			No	None			 Change  Drop  More
<input type="checkbox"/> 3	commentContent	varchar(3000)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/> 4	userName	varchar(255)	utf8mb4_general_ci		No	None			 Change  Drop  More
<input type="checkbox"/> 5	commentTime	date			No	current_timestamp()			 Change  Drop  More

The primary key is commentId, is randomly generated by code.

The example of the table is:

Extra options

←T→		commentId	newsId	commentContent	userName	commentTime
<input type="checkbox"/>	Edit Copy Delete	6448361869276	1	goodjob33	xuezhendai	2023-04-29
<input type="checkbox"/>	Edit Copy Delete	6449988be9405	1	22	xuezhend	2023-04-29
<input type="checkbox"/>	Edit Copy Delete	6449989edaef	1	22	xuezhend	2023-04-29
<input type="checkbox"/>	Edit Copy Delete	644c2bd5d95e0	2	good! love disney	xuezhend	2023-04-29
<input type="checkbox"/>	Edit Copy Delete	644c2c5cc15ea	2		xuezhend	2023-04-29
<input type="checkbox"/>	Edit Copy Delete	644d3cf697b52	2	Entertainment news!	xuezhend	2023-04-29
<input type="checkbox"/>	Edit Copy Delete	644df99a698aa	2	love it	xuezhend	2023-04-30
<input type="checkbox"/>	Edit Copy Delete	64511c3be2e74	3	Sad news	xuezhend	2023-05-02
<input type="checkbox"/>	Edit Copy Delete	645122791c696	3	bad news!	xuezhend	2023-05-02
<input type="checkbox"/>	Edit Copy Delete	645125bbc023b	4	So cool	xuezhend	2023-05-02
<input type="checkbox"/>	Edit Copy Delete	645127ce6ffaa	3	crime!!	xuezhend	2023-05-02
<input type="checkbox"/>	Edit Copy Delete	6451290b7b5ea	4	good look!	xuezhend	2023-05-02

☐ Check all
 With selected: Edit Copy Delete Export

5. Userlike

This table is created for storing the favorites/liking action made by users. The primary key is liked, the structure is shown as below:

Table structureRelation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	liked	varchar(255)	utf8mb4_general_ci	No	None			Change Drop More
<input type="checkbox"/>	2	newsId	varchar(255)	utf8mb4_general_ci	No	None			Change Drop More
<input type="checkbox"/>	3	userId	varchar(255)	utf8mb4_general_ci	No	None			Change Drop More
<input type="checkbox"/>	4	action	varchar(255)	utf8mb4_general_ci	No	None			Change Drop More

And the example is shown as below:

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

				likeId	newsId	userId	action
<input type="checkbox"/>	Edit	Copy	Delete	644fdb1f1822d	2	xuezhend	like
<input type="checkbox"/>	Edit	Copy	Delete	64507930b8376	3	zhenzhen	like
<input type="checkbox"/>	Edit	Copy	Delete	645079455350d	1	zhenzhen	like
<input type="checkbox"/>	Edit	Copy	Delete	6450794d0fa8d	4	zhenzhen	like

☐ Check all | With selected: Edit Copy Delete Export

6. Suggestionnews

The last table is generated from python file suggestion.py, the structure is as shown:

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	userId	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	newsId	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	runningTime	date			No	current_timestamp()			Change Drop More
<input type="checkbox"/> 4	suggestionId	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More

☐ Check all | With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central colour

One example of the suggestion is shown as below:

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

				userId	newsId	runningTime	suggestionId
<input type="checkbox"/>	Edit	Copy	Delete	xuezhend	3	2023-05-02	JW01ZzplYSib
<input type="checkbox"/>	Edit	Copy	Delete	xuezhend	1	2023-05-02	N9U4cFXodPZ3
<input type="checkbox"/>	Edit	Copy	Delete	xuezhend	4	2023-05-02	wr7Wd3jDCStq
<input type="checkbox"/>	Edit	Copy	Delete	zhenzhen	2	2023-05-02	xEtZSUAPCekM

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

When running this program, there need to have enough action in the userlike.