Web application

Auto-answer Robot

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Overview

This application builds "an auto-answer robot", a webpage that can response to users' different questions in real time. This function is very popular among various websites to provide customers the information they are looking for more efficiently and precisely.

Even the function and content of this program is simple, it shows the construction of a database Web page project built on Java EE.

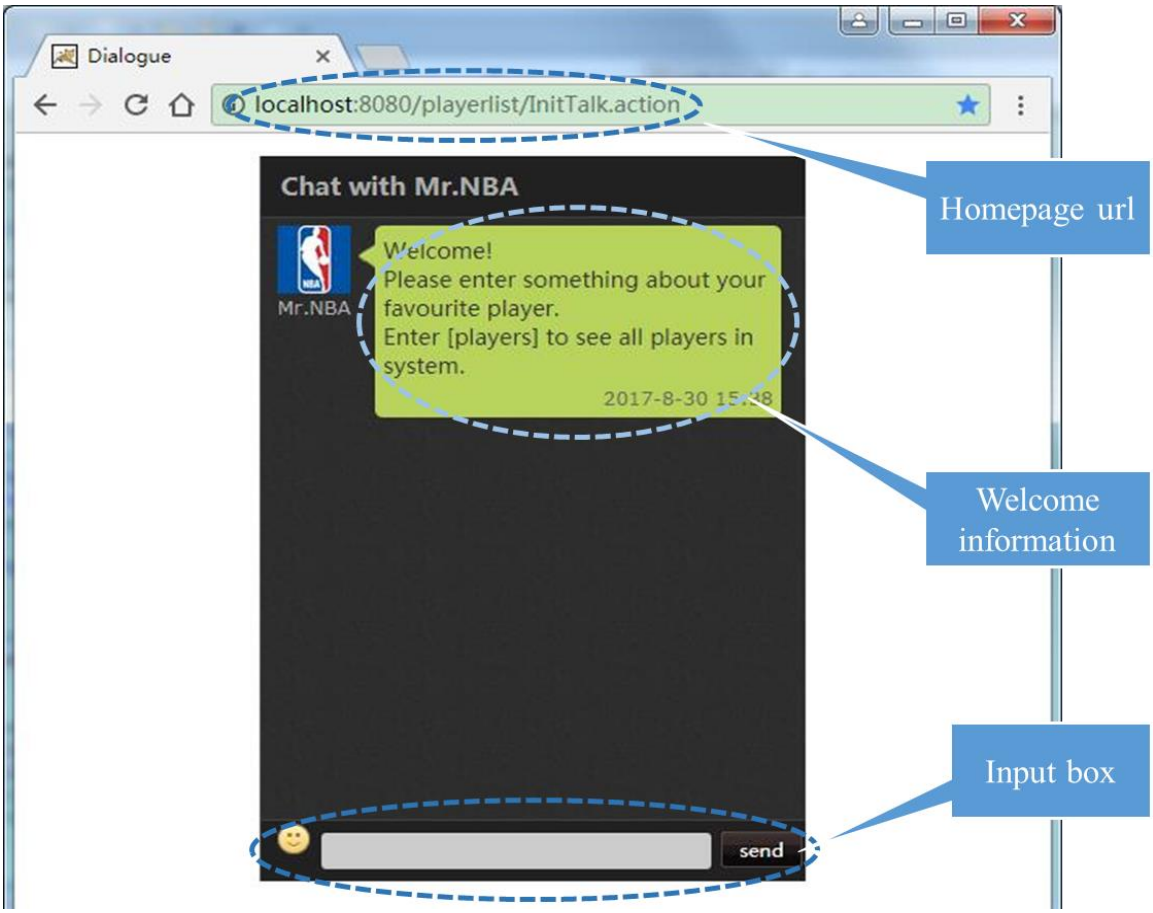
It required core technologies of full-stack web developing, including establishments of front-end web pages (HTML, CSS, JavaScript, JSP, JQuery) and back-end controllers/models (Java) plus database system (MySQL).

Besides, this program utilized **Maven** for project building, and **MyBatis** for Object Relational Mapping and persistence layer.

Application Characteristics

This auto-answer robot is built to answer user's question about NBA players or teams, according to information in database. It has both a front-end dialog page and a back-end administration page for user interaction.

The dialog page (auto-answer Robot '*Mr.NBA*')



What's up man!

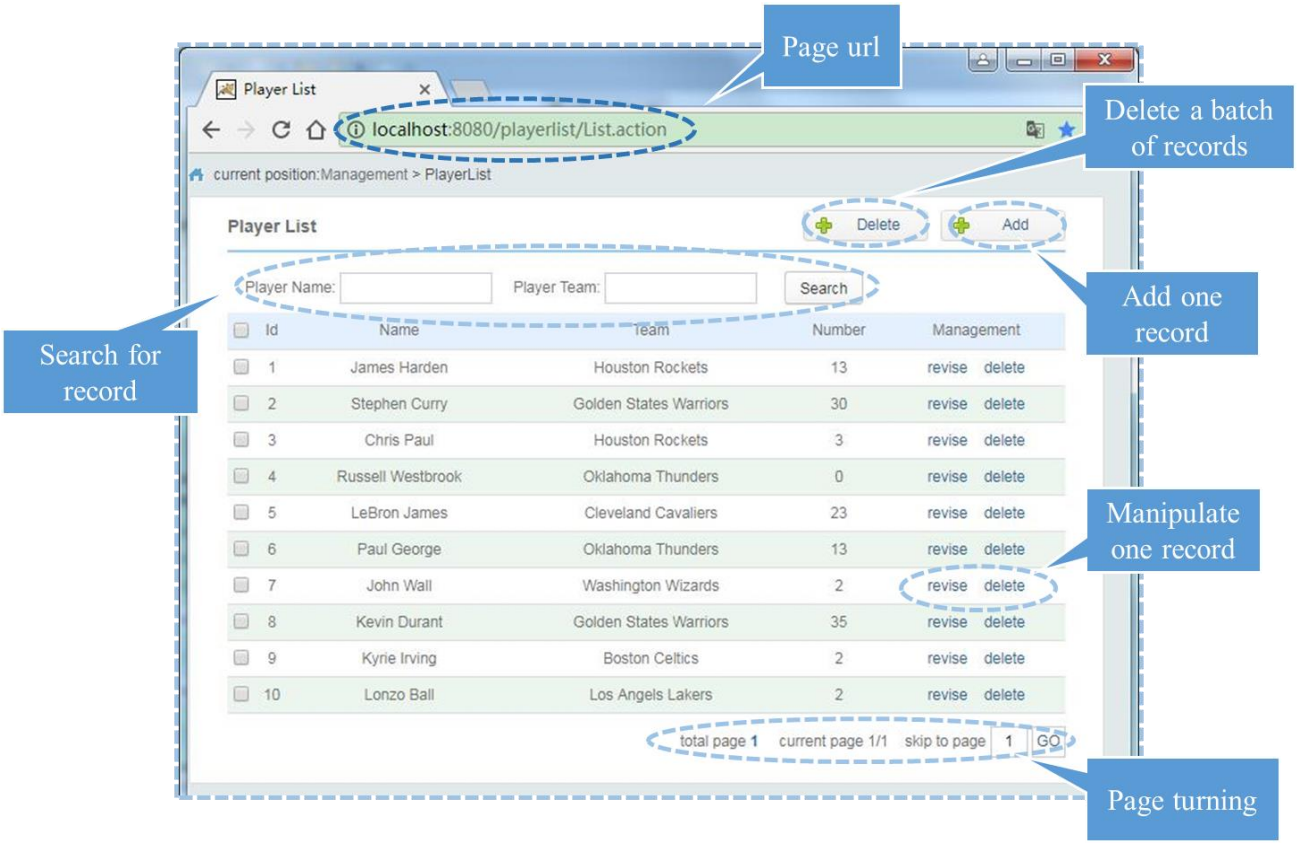
I'm Mr. NBA.

I'm Ralph. Nice to know you!

Please tell me something about my favourite man James Harden…

……

The administration page



Basic functions

The dialog page

Input in the textbox at bottom and press “send”.

Query all NBA players in database.

Query player information by key words.
(supporting intangible inquiry)

Prompt user when there is no player info matching.

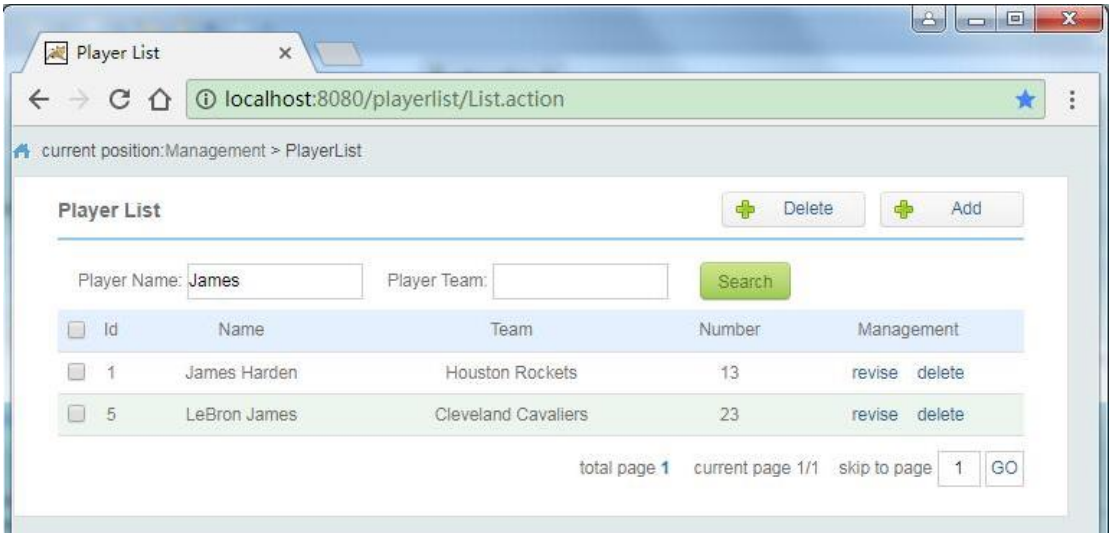
he dialog page for NBA team query.

Query all NBA teams in database.

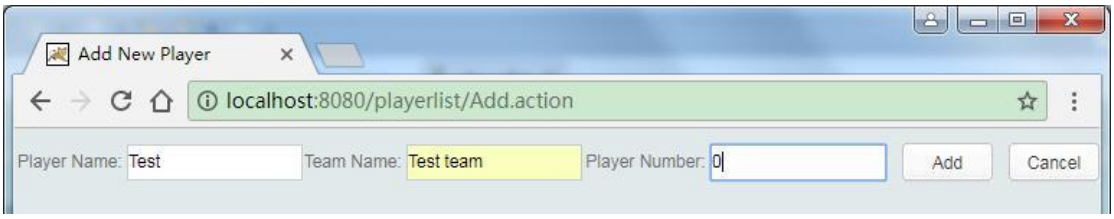
Query team info, same query with different responses.

One-to-many relationship mapping.

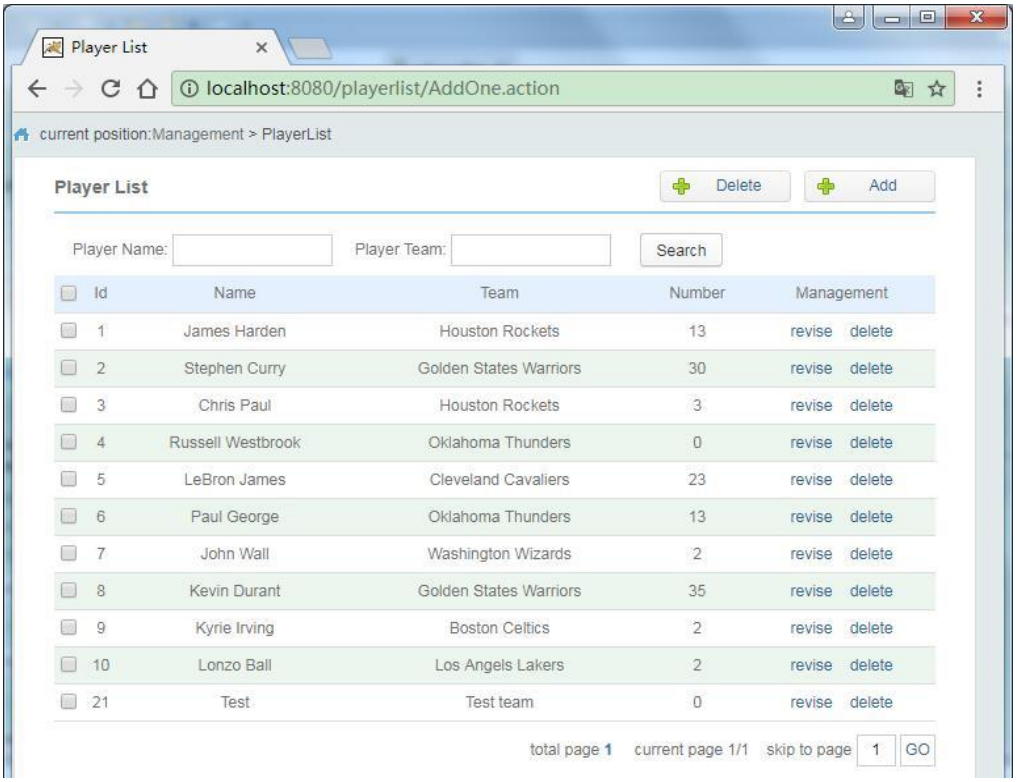
The administration page



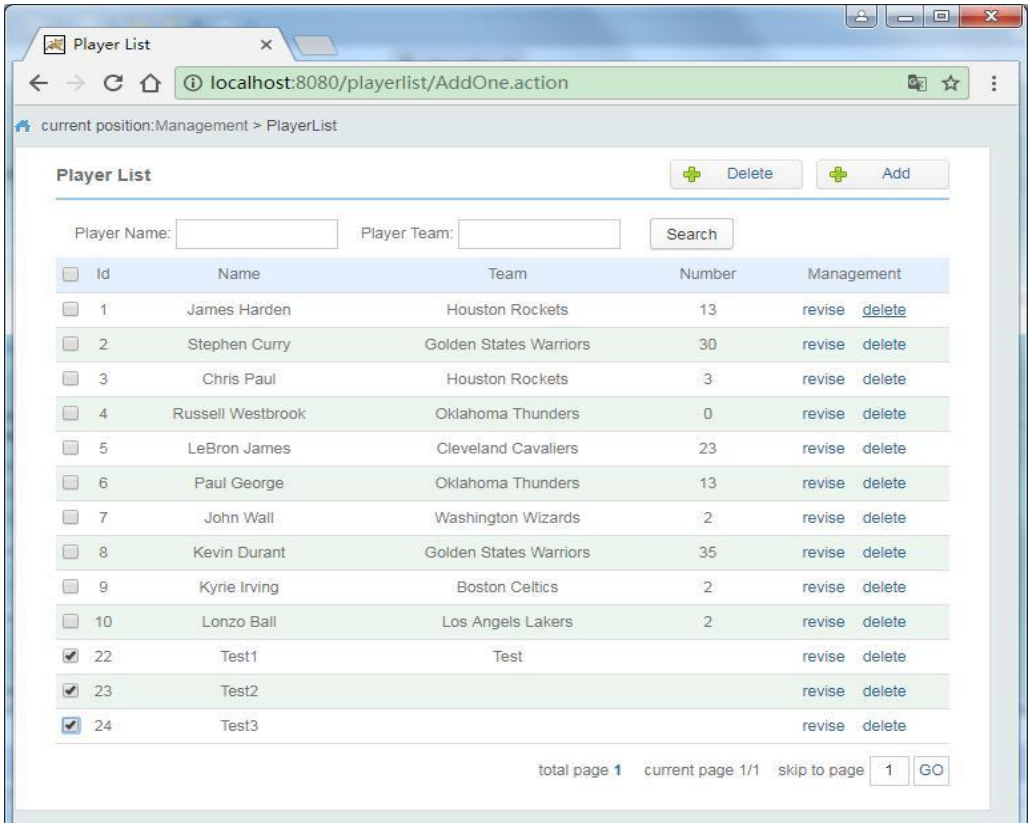
Search for player record



Add new record (adding)



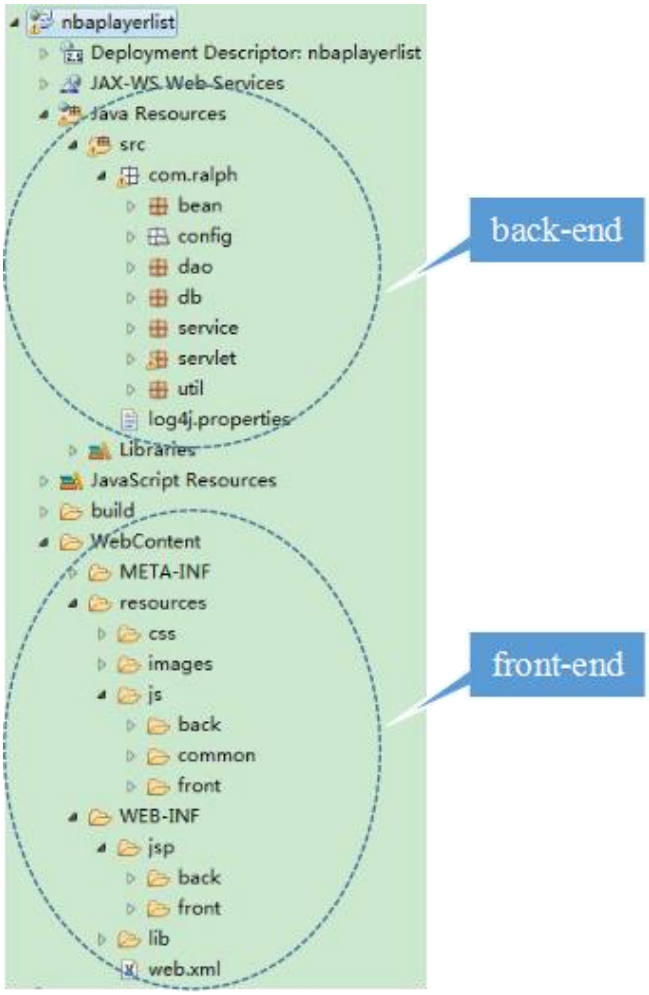
Add new record (result)



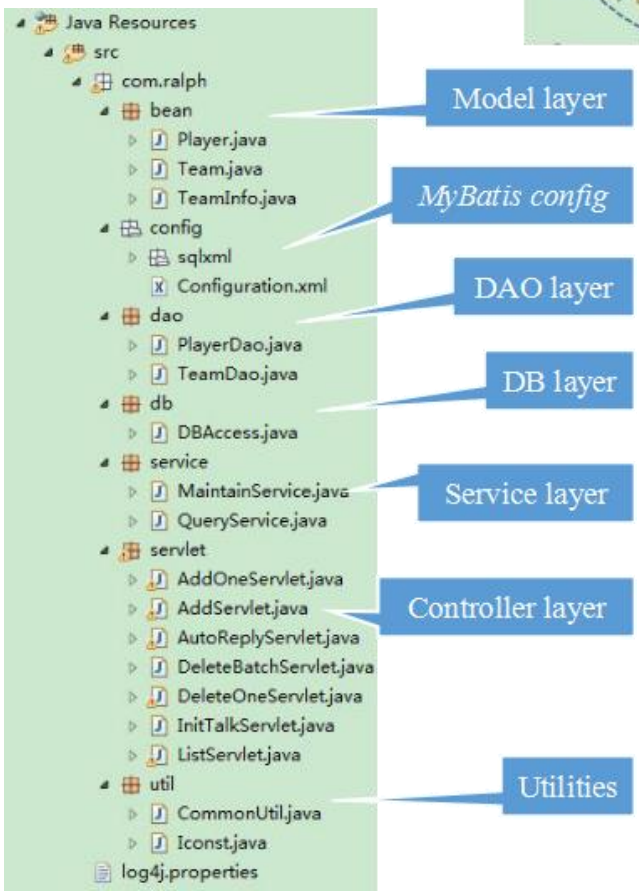
Select and delete a batch of records

Program structure

The layout of the program in Java EE is shown as follows:

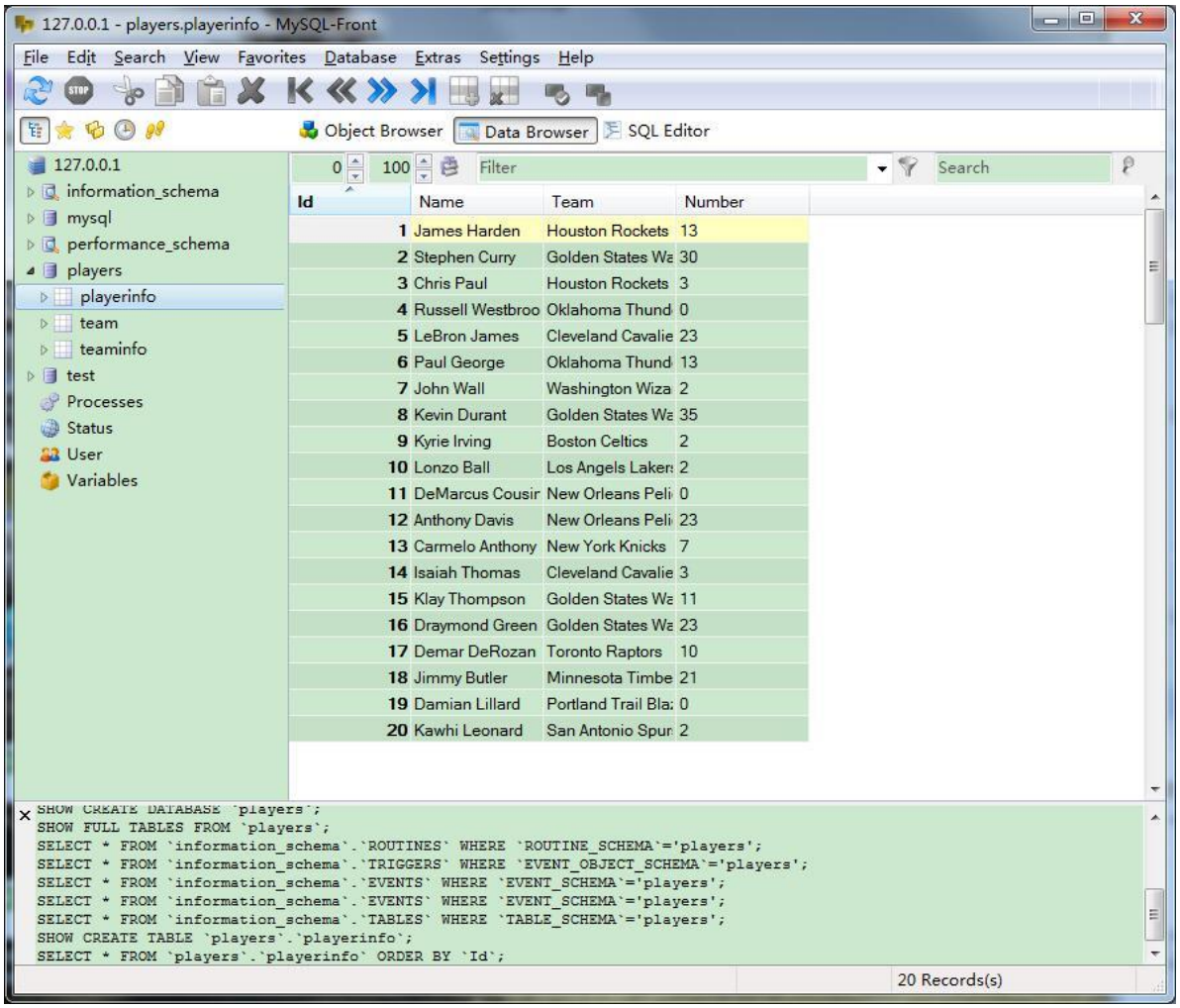


Lay-out of project in Java EE



Lay-out of back-end codes

Database:



MySQL database shown in MySQL-Front