

# Comparison

## Philips Interview Web Project

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# Outline

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# Introduction

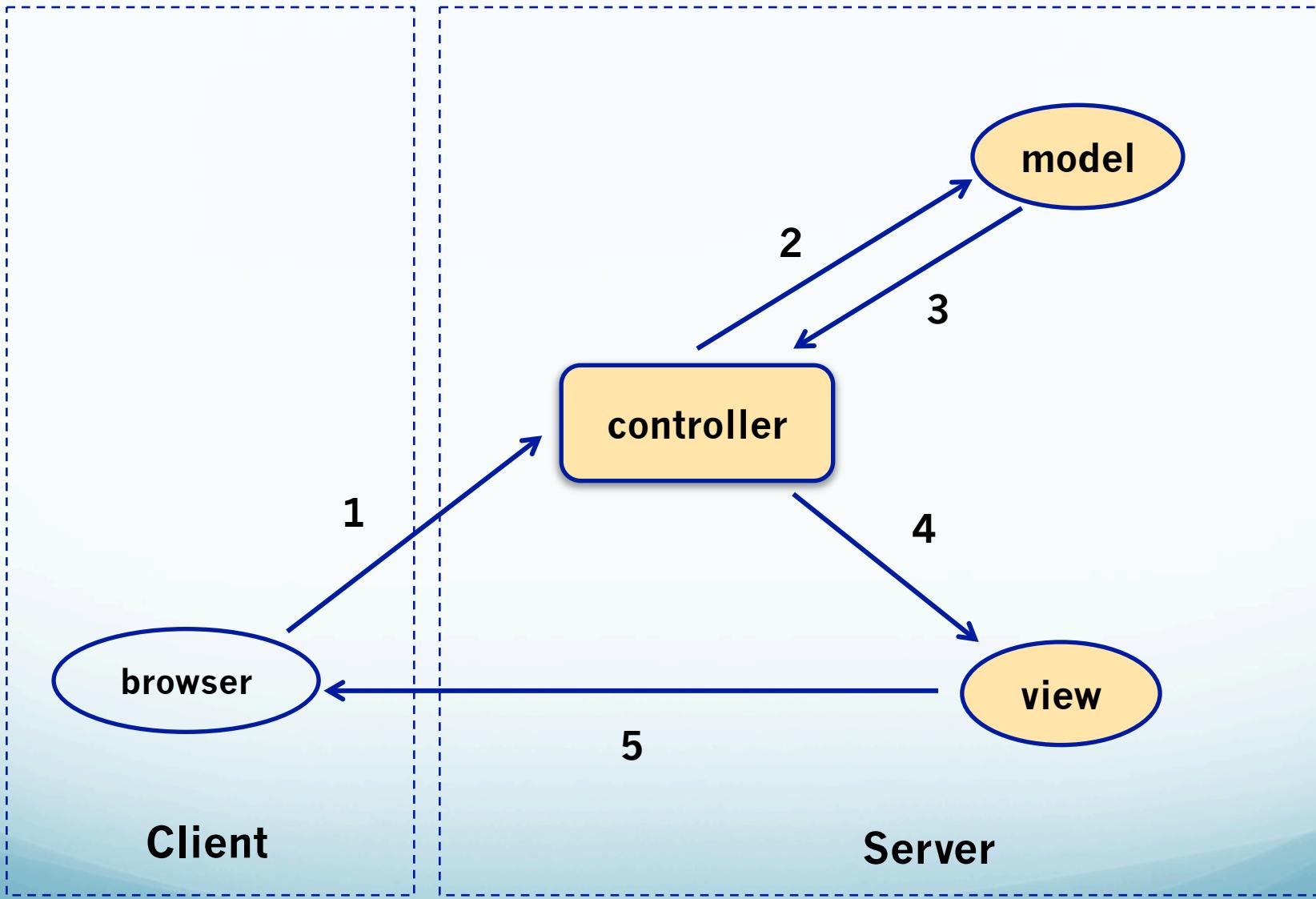
- Project Goal: Create web project to find out unique records of 2 uploaded files
- Project Assumption: Assume the records format of uploaded files is ID, Name and Values.

e.g. test file 1: t1.txt



t1.txt						
##INFO=test file1, author: Ann Huang, 02/19/2019						
#ID	Name	value1	value2	value3	value4	value5
value6	value7	value8	value9	value10	value11	value12
value13	value14	value15	value16	value17	value18	value19
value20	value21	value22				
2655180	David	0	1	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	1			
2655471	Mark	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0			
2655754	Lily	0	0	1	0	0
		0	0	0	0	1
		0	0	0	0	0
		0	0			
2655800	Shen	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0			

# Strategy – MVC Architecture

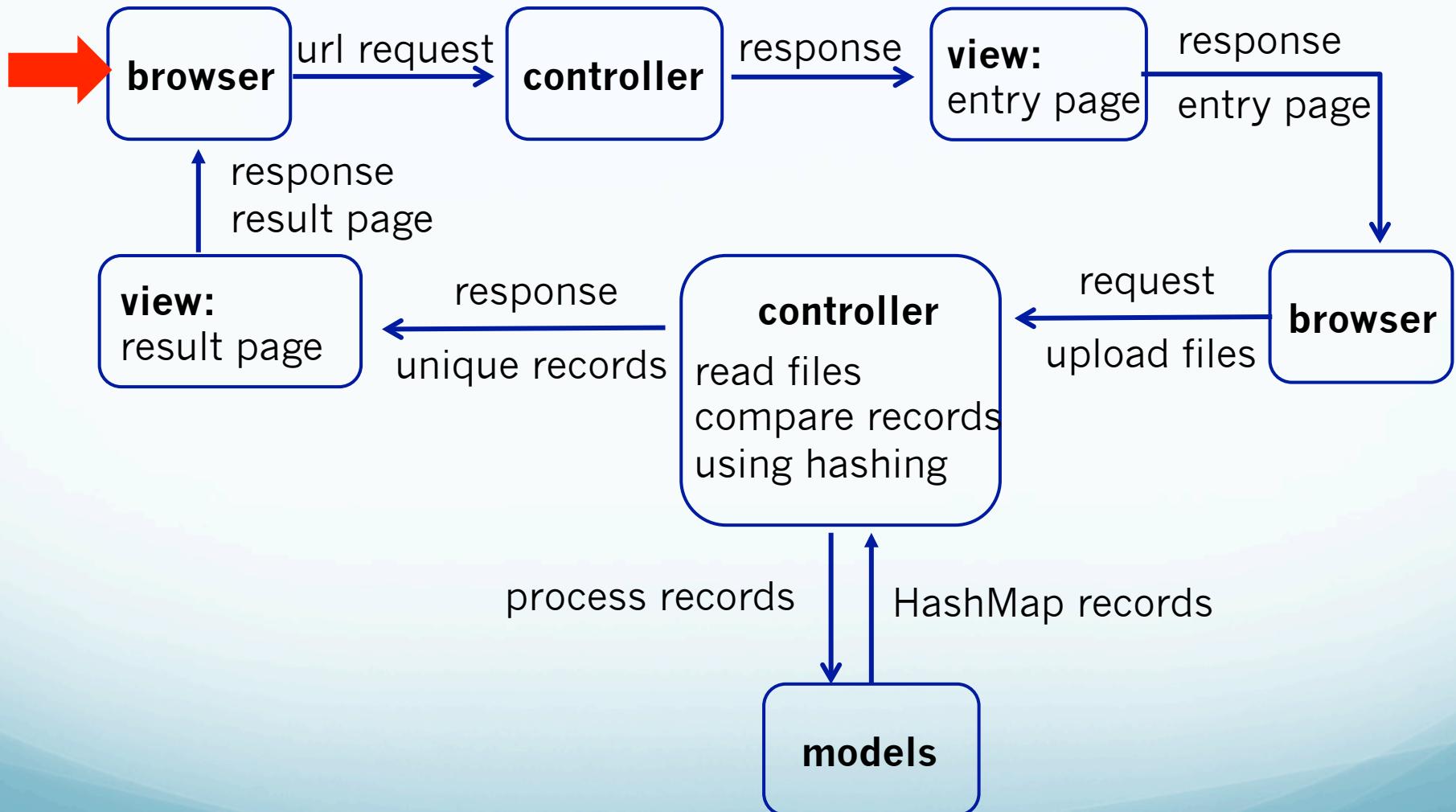


# Strategy – MVC Architecture

## MVC: Models, Views, Controller

- **Models:** represent **data**
  - Java class/object
- **Views:** Render the **display** to clients
  - HTML (CSS, JavaScript), JSP
- **Controller:** Implement **actions**
  - Handle input, access/process data, implement logic, pass data to views
  - Java (Servlet)

# Strategy – Workflow & Algorithm

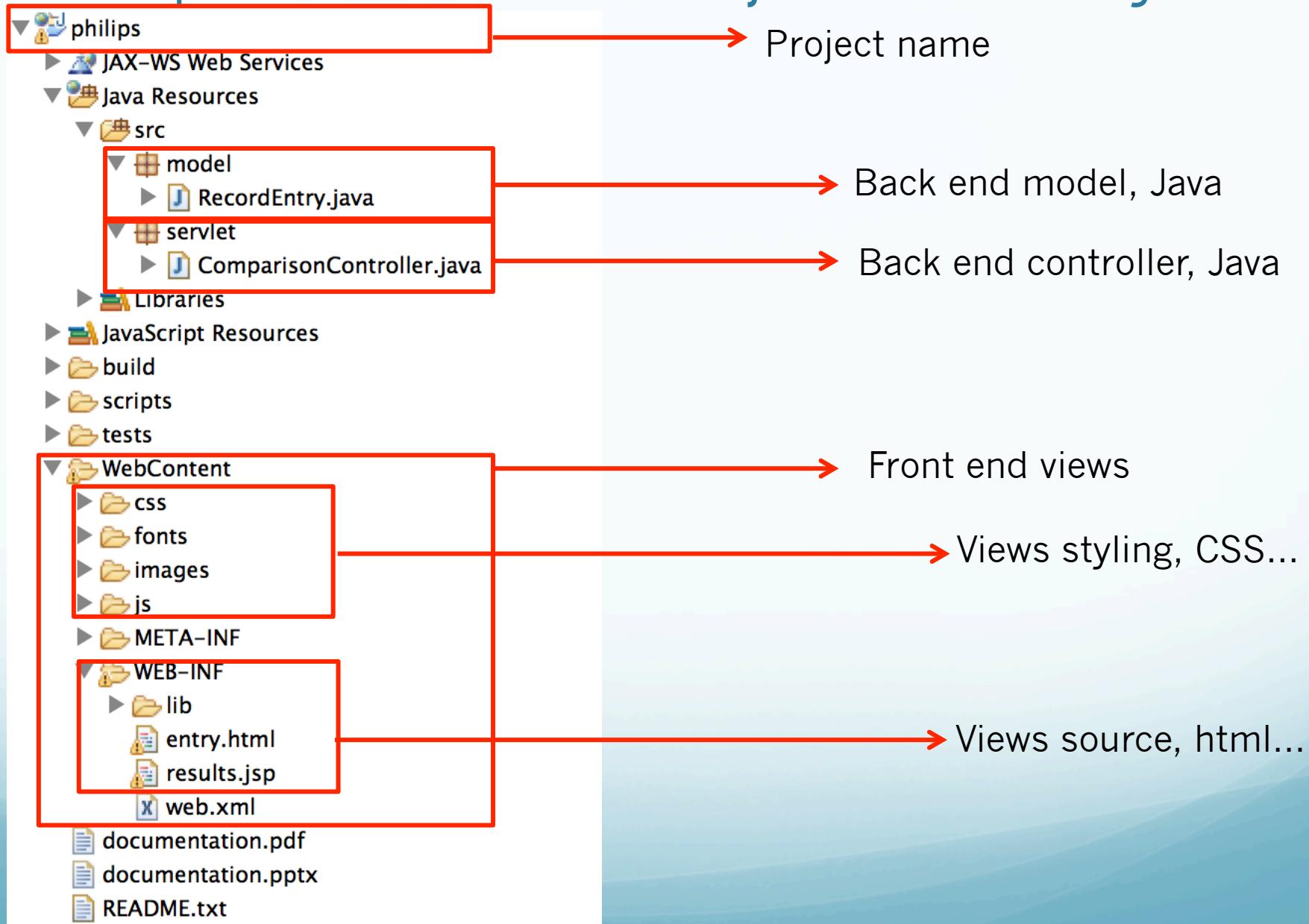


# Implementation – Environment Configuration

- Java
  - Download and install
  - 1.7 version JDK
- Tomcat server
  - Download and install
  - Add the [JSP Standard Tag Library \(JSTL\)](#).to the lib folder under the Tomcat directory:
- Eclipse
  - Download Eclipse IDE for Java EE
  - Run Web App with eclipse using Eclipse build in Tomcat

More details : README.txt

# Implementation – Project Hierarchy



# Implementation – Demo



**Please refer to demo.mp4 file**  
<https://goo.gl/2Nr4Ns>

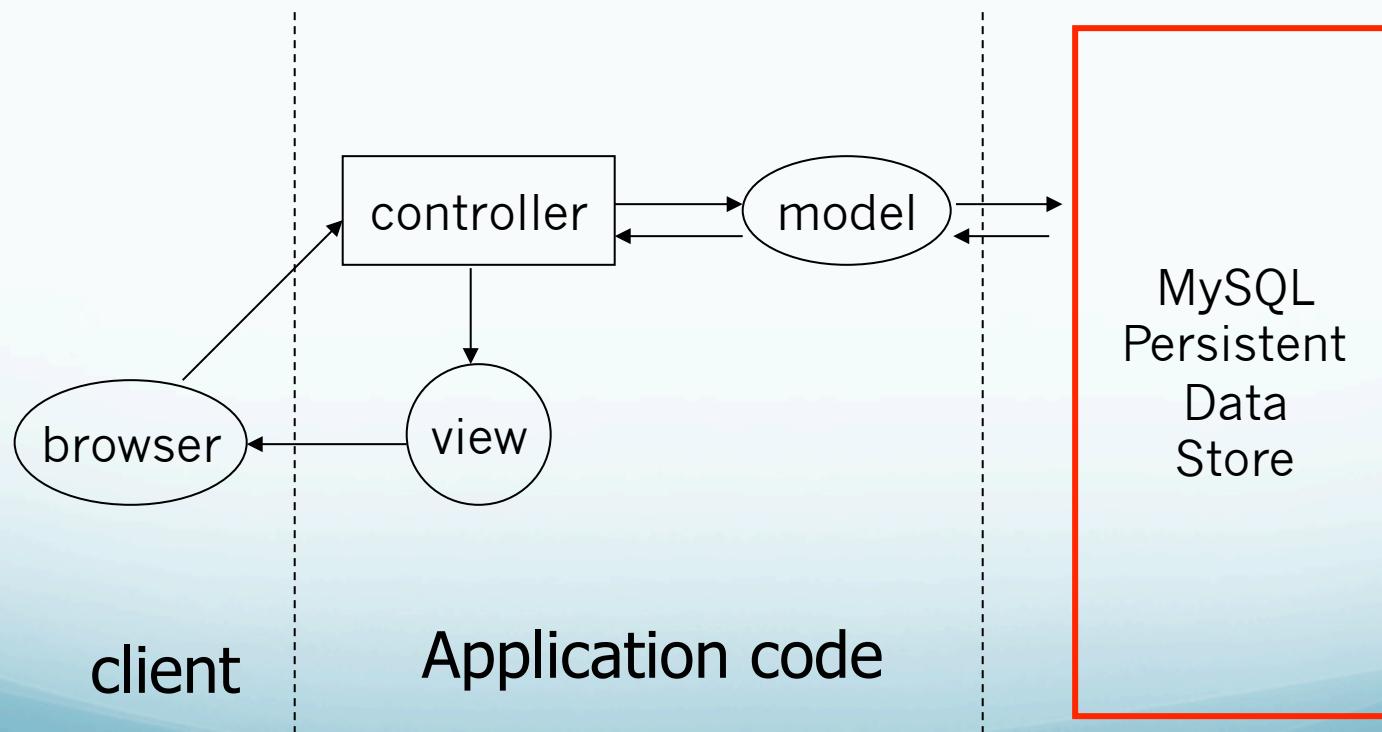
# Summary – Technique/Tools Involved

- Architecture: MVC
- Back end: Java (Servlet)
- Front end: HTML, CSS, JavaScript, JSP, JSTL, bootstrap(JS CSS framework)
- Version Control: GitHub



# Summary – Future Plan

- Modify model class based input file format (record format)
- Back end model use MySQL, the database creation and two tables comparison scripts are already in the source code



Thank you