Getting the Request and Response Objects

Uses for request object

- Explicit session manipulation
  E.g., changing inactive interval or invalidating session
- Explicit cookie manipulation (e.g., long-lived cookies)
- Reading request headers (e.g., User-Agent)
- Looking up requesting host name

Uses for response object

- Setting status codes
- Setting response headers
- Setting long-lived cookies

We Use Static methods to Get Request/Response Objects

```
ExternalContext context =
                    FacesContext.getCurrentInstance().getExternalContext();
HttpServletRequest request =
                    (HttpServletRequest)context.getRequest();
HttpServletResponse response =
                    (HttpServletResponse)context.getResponse();
```

Practice

1. Collect a search string and a search engine name, show the results of a search with that search engine.
2. Input form
   1. Use textfield for arbitrary search string.
   2. Use drop down menu to list only search engines that app supports.

   CDI bean
3. Construct a URL by concatenating a base URL (e.g.,

http://www.google.com/search?q=) with the URLencoded search string

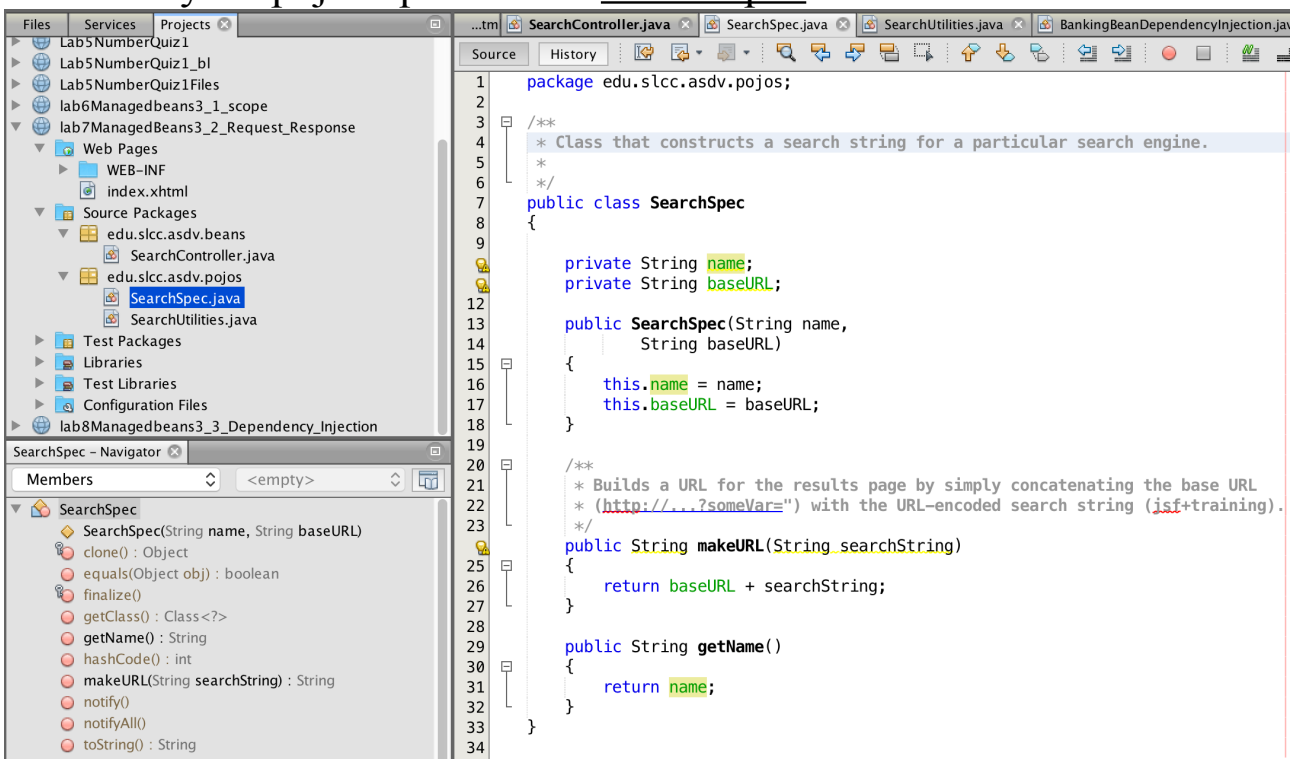
4. Do response.sendRedirect

Must use static methods to get the HttpServletResponse

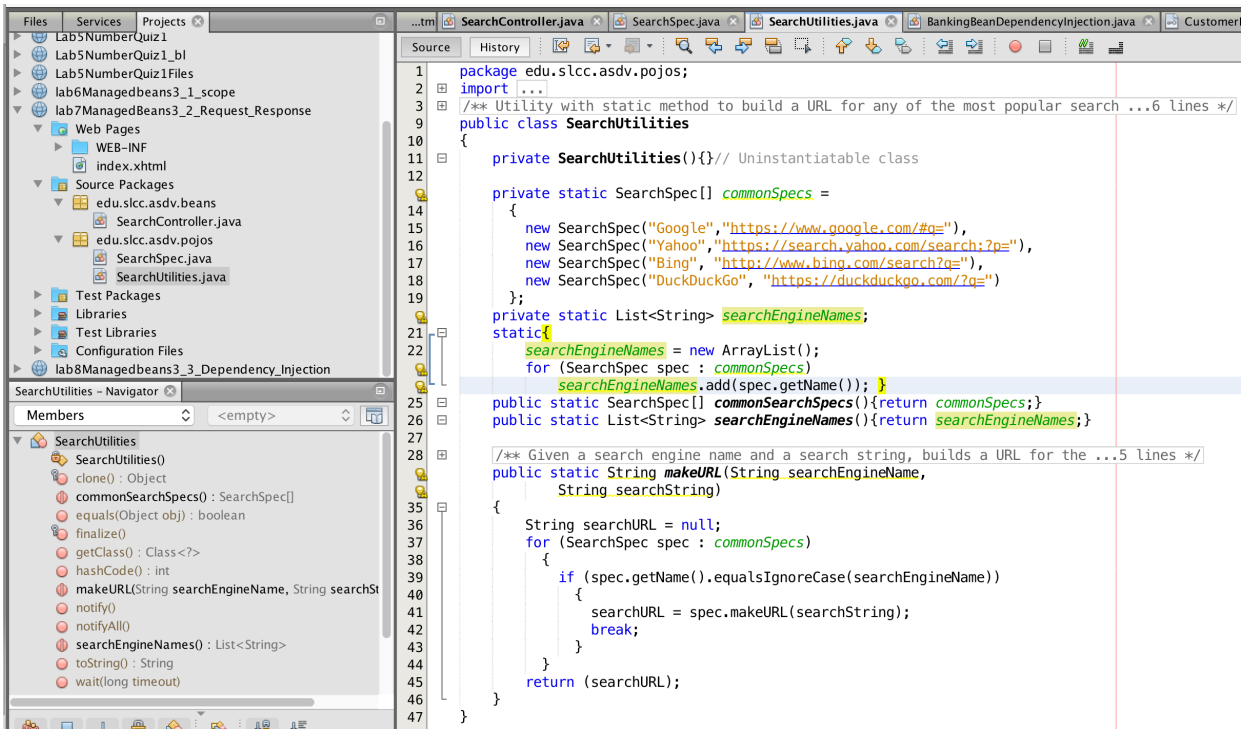
Return normal strings for error pages

1. Create a new Web App, named lab7ManagedBeans3_2_Request_Response

2. Under your pojos place class SearchSpec

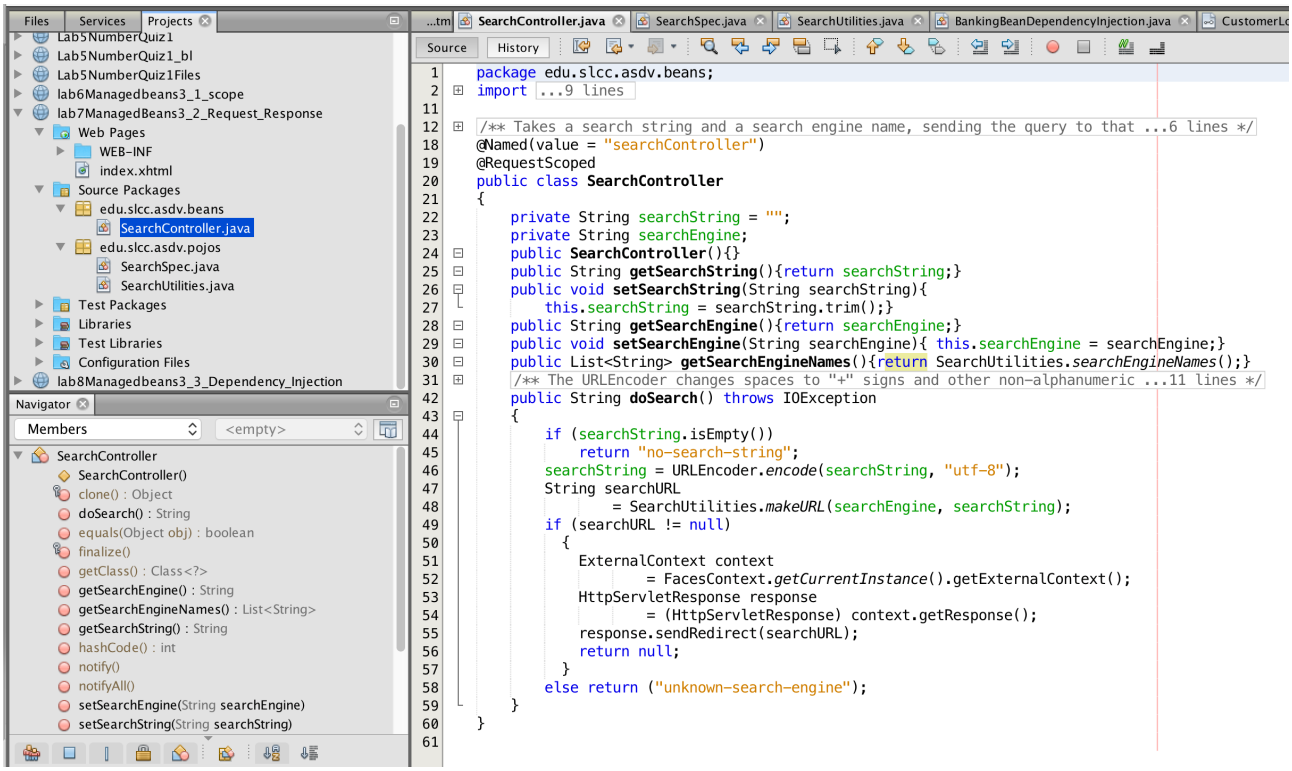


3. Under pojos place class SearchUtilities

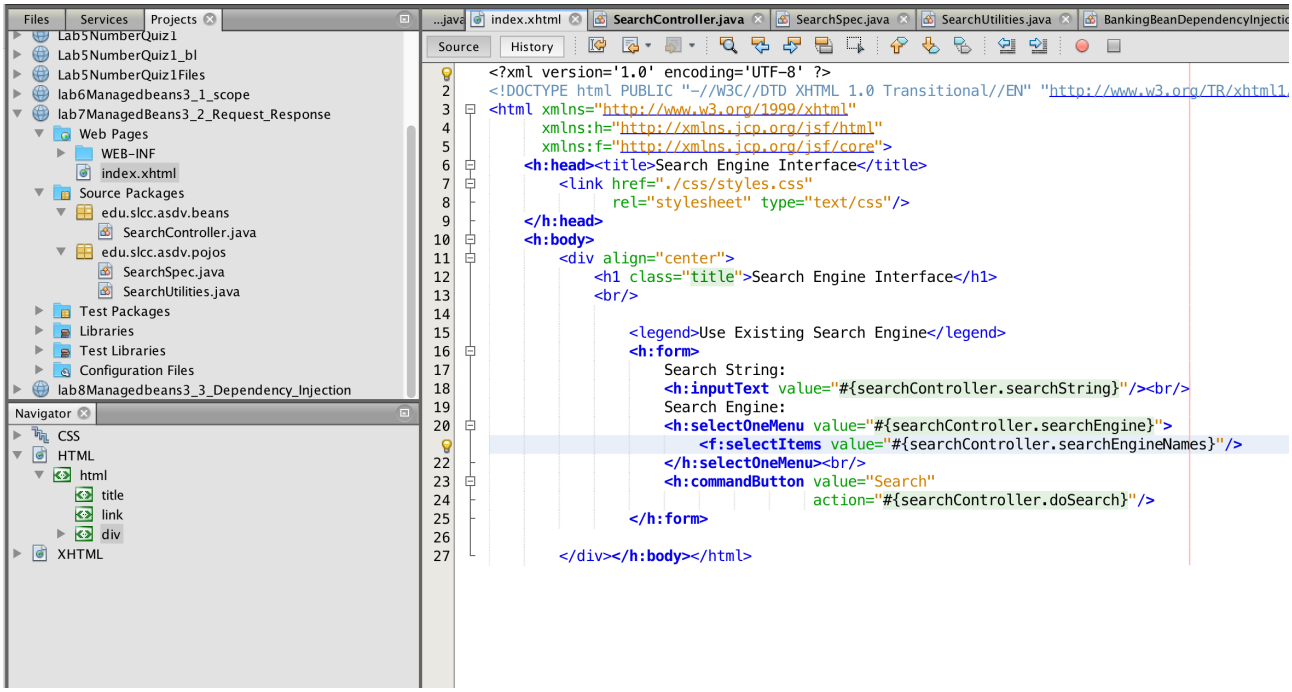


3.

4. Under beans place the Managed bean SearchController



5. Your index.xtml that has the form



6. Clean and build, Run.