

TOSAN OGEDENGBE:

Enterprise Java - Spring 2021 – Individual Project: CONCEPT COMPENDIUM

Design Notes – Page 1 (INDEX)



INDEX: The main introduction page. Seen when the application is opened.

Button Mapping (will have the following buttons):

1. Create Account – takes user to SIGNUP.
2. Log In – takes user to LOGIN.

CODE NEEDED:

- Code for the Create Account button to take users to the SIGNUP JSP.
- Code for the Log In button to take users to the LOGIN JSP.

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Design Notes – Page 2 (SIGNUP)



**CONCEPT  
COMPENDIUM**

**Create An Account**

Please enter your username and desired password to create an account.

Username:

First Name:

Last Name:

Password:

Password Retype:

**Sign Up**

SIGNUP: The Sign Up/Create an Account page.

Button Mapping (will have the following buttons):

1. Sign Up – (if provided credentials are successfully verified) – takes user to PASSED.
2. Quit – takes user to INDEX.

CODE NEEDED:

- Code for the Sign Up button to talk to the database, create new users and add them to the User table.
- Code for the Sign Up button to take users to the ACCOUNT JSP once an account is created.
- *\* Code that can talk to the Role table so that roles can be created/updated.\**
- Code for the Quit button to take users to the INDEX JSP.



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**Design Notes – Page 3 (LOGIN)**



LOGIN: The Log In page for those that have accounts in the application already.

Button Mapping (will have the following buttons):

1. Log In – (If credentials are incorrect) – takes user to FAILED.  
(If credentials are correct) – takes user to PASSED.
2. Quit – takes user to INDEX.

CODE NEEDED:

- Code for the Log In button to talk to the database and check user credentials for accuracy.
  - ✓ If credentials are correct – code to take users to the PASSED JSP.
  - ✓ If credentials are incorrect – code to take users to the FAILED JSP.
- Code for the Quit button to take users to the INDEX JSP.

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**Design Notes – Page 4 (ACCOUNT)**



ACCOUNT: The resulting page for those successfully created accounts.

Button Mapping (will have the following buttons):

1. Create Ideas – takes the user to CREATE.

Log Out – takes the user to LOGOUT.

CODE NEEDED:

- Code for the Create button to take users to the CREATE JSP.
- Code for the Log Out button to take users to the LOGOUT JSP.
  - ✓ Code for the Log Out button to close all open sessions and database queries.



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**Design Notes – Page 5 (FAILED)**



FAILED: The resulting page for those log in attempts that are unsuccessful.

Button Mapping (will have the following buttons):

1. Quit – takes the user to INDEX.

Try Again – takes the user to LOGIN.

CODE NEEDED:

- Code for the Quit button to take users to the INDEX JSP.
- Code for the Try Again button to take users to the LOGIN JSP.

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**Design Notes – Page 6 (PASSED)**



PASSED: The resulting page for those log in attempts that are successful.

Button Mapping (will have the following buttons):

1. Create Ideas – takes the user to CREATE.
2. Search – takes the user to SEARCH.
3. List – takes the user to LIST.

Log Out – takes the user to LOGOUT.

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**Design Notes – Page 6 (PASSED)/Part 2**

CODE NEEDED:

- Code for the Create button to take users to the CREATE JSP.
- Code for the Search button to take users to the SEARCH JSP.
- Code for the List button to take users to the LIST JSP.
- Code for the Log Out button to take users to the LOGOUT JSP.
  - ✓ Code for the Log Out button to close all open sessions and database queries.
- Code for this page should keep track of session length, or session user so that once the session is closed, certain lists and other displayed results can be closed.



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**Design Notes – Page 7 (CREATE)**



# Create Your Concepts

Name:

Keyword 1:

Keyword 2:

Category:

Description:

CREATE: The page for entering ideas into the application.

Button Mapping (will have the following buttons):

1. Log Idea – takes the user to RECORDS.
2. Search – takes the user to SEARCH.
3. List – takes the user to LIST.

Log Out – takes the user to LOGOUT.



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#### Design Notes – Page 7 (CREATE)/Part 2

##### CODE NEEDED:

- Code for the Log Idea button to be able to talk to the database and at least add new items to the database.
  - ✓ The code here must be able to take all data as entered by the user including the selected Category from the drop down menu.
  - ✓ The code must provide an error message on the page when either one of these three (Name, Category and Description) are blank. All ideas must have at least something in these three sections.
  - ✓ *\* May need to add some HTML to these labels to indicate these sections are required.\**
  - ✓ *\* Will also need to change the drop down so that it is blank in default mode to eliminate accidents\**
- Code for the Search button to take users to the SEARCH JSP.
- Code for the LIST button to take users to the LIST JSP.
- Code for the Log Out button to take users to the LOGOUT JSP.
  - ✓ Code for the Log Out button to close all open sessions and database queries.

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Design Notes – Page 8 (RECORDS)

# An Interactive Record Of Your Concepts



**RECORDS:** The page for immediate capture of logged ideas that can be reviewed and selected for editing or deletion. The items on this page will remain available on this page as long as the user remain logged in for that session.

Button Mapping (will have the following buttons):

1. Create Another Idea – takes user to CREATE.
2. List – takes the user to LIST.
3. Search – takes the user to SEARCH.

**\*\*The following buttons utilize checkbox selection. Only one idea can be selected at a time, and the button used will act only on the selected record\*\***

4. Edit Idea – takes the user to EDIT to update the selected idea.
5. Delete Idea – Removes the selected idea from the page and the application – keeps the user on RECORDS.



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#### **Design Notes – Page 8 (RECORDS)/Part 2**

##### **CODE NEEDED:**

- Code for the Create Another Idea button to take users to the CREATE JSP.
- Code for the List button to take users to the LIST JSP.
- Code for the Search button to take users to the SEARCH JSP.
- Code for the page to have each created concept in the database from the current session listed on this page. These records should remain on this page throughout the user session.
  - ✓ Code should display 20-25 records per page with a way to advance through “pages”.
  - ✓ Code on this page should have an “Edit” column with a checkbox for each displayed concept in it.
  - ✓ Code on this page should have a “Delete” column with a checkbox for each displayed concept in it.
  - ✓ The code will only allow a single checkbox (from any column) to be selected. (One concept row can be selected, and after that only one checkbox in either the Edit or Delete columns. Nothing more than that.
- Code for the Edit Idea button to take users to the EDIT JSP.
  - ✓ Code should be set up so that when the checkbox for “Edit” is checked and the Edit Idea button is used, all instance variables for that selected item are taken to the EDIT JSP and loaded into the corresponding text area on that page for editing.
- Code for the Delete Idea button should be able to communicate with the database to perform delete functions on database records.
  - ✓ Code should be set up so that when the checkbox for “Delete” is checked and the Delete Idea button is used, the selected record is removed from the database.
  - ✓ There should be a message “Concept Successfully Deleted” that should be provided on the page in this instance.

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Design Notes – Page 9 (EDIT)



EDIT: The page for editing and updating ideas already in the application.

Button Mapping (will have the following buttons):

**\*\* This page is reached from certain pages that allow for idea selection. If an idea has been selected for editing, the information for that selected idea will fill in the text areas on this page when the Edit Idea button is used. This makes that data ready for editing\*\***

1. Edit Idea – updates the data in the selected idea and submits it – keeps the user on EDIT.
2. Create New Idea – takes the user to CREATE.
3. Delete Idea – Removes the current idea from the page and the application – keeps the user on EDIT.
4. Back – takes the user to RECORDS or LIST depending on what page they originated from.
5. Search – takes the user to SEARCH.



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#### **Design Notes – Page 9 (EDIT)/Part 2**

##### **CODE NEEDED:**

- Code for the Edit Idea button should allow for communication with the database to perform edit functions on database records.
  - ✓ Code should be set up so that when any database records is pulled into this page, all instance variables for that selected item are loaded into the corresponding text areas on this page for editing.
  - ✓ Code should clear out the text fields and keep the user on the EDIT JSP after a successful edit.
  - ✓ There should be a message “Concept Successfully Edited” that should be provided on the page in this instance.
- Code for the Delete Idea button should be able to communicate with the database to perform delete functions on database records.
  - ✓ Code should be set up so that whatever record is being displayed in the text fields on this page is deleted if the Delete Idea button is used.
  - ✓ There should be a message “Concept Successfully Deleted” that should be provided on the page in this instance.
- Code for the Create New Idea button to take users to the CREATE JSP.
- Code for the Search button to take users to the SEARCH JSP.
- Code for the Back button to take users to the LIST JSP or the RECORDS JSP depending on whichever page the user was previously on before.

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Design Notes – Page 10 (LIST)



LIST: An interactive quick results page that allows quick general lists to be created for ideas based on the category alone.

Button Mapping (will have the following buttons):

1. List Ideas – creates a list of ideas on the page based on a shared category selected from the available dropdown menu – keeps the user on LIST.
2. Create New Idea – takes the user to CREATE.
3. Search – takes the user to SEARCH.
4. Records – takes the user to RECORDS.

**\*\*The following buttons utilize checkbox selection. Only one idea can be selected at a time, and the button used will act only on the selected record\*\***

5. Edit Idea – takes the user to EDIT to update the selected idea.
6. Delete Idea – Removes the selected idea from the page and the application – keeps the user on LIST.



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#### **Design Notes – Page 10 (LIST)/Part 2**

##### **CODE NEEDED:**

- Code for the List Ideas button to be able to communicate with the database and run search and display queries based on the selected Category on the page.
  - ✓ Code for the page to have each displayed list retrieved from the database from the current session remain on this page throughout the user session.
  - ✓ No query should run unless a category is selected. There should be code to have the page provide an error message if no Category is selected.
- The code should provide Edit and Delete functionality for the listed records.
  - ✓ Once the list is provided, code should display 20-25 records per page with a way to advance through “pages”.
  - ✓ Code on this page should have an “Edit” column with a checkbox for each displayed concept in it.
  - ✓ Code on this page should have a “Delete” column with a checkbox for each displayed concept in it.
  - ✓ The code will only allow a single checkbox (from any column) to be selected. (One concept row can be selected, and after that only one checkbox in either the Edit or Delete columns. Nothing more than that.
- Code for the Edit Idea button to take users to the EDIT JSP.
  - ✓ Code should be set up so that when the checkbox for “Edit” is checked and the Edit Idea button is used, all instance variables for that selected item are taken to the EDIT JSP and loaded into the corresponding text area on that page for editing.
- Code for the Delete Idea button should be able to communicate with the database to perform delete functions on database records.
  - ✓ Code should be set up so that when the checkbox for “Delete” is checked and the Delete Idea button is used, the selected record is removed from the database.
  - ✓ There should be a message “Concept Successfully Deleted” that should be provided on the page in this instance.
- Code for the Create New Idea button to take users to the CREATE JSP.
- Code for the Search button to take users to the SEARCH JSP.
- Code for the Records button to take users to the RECORDS JSP.

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**Design Notes – Page 11 (SEARCH)**



SEARCH: A search page to allow searching for concepts based on a specific search term.

Button Mapping (will have the following buttons):

1. Search – conducts the search based on provided data – takes the user to SEARCHRESULTS.
2. Create New Idea – takes the user to CREATE.
3. Records – takes the user to RECORDS.
4. List – takes the user to LIST.



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#### **Design Notes – Page 11 (SEARCH)/Part 2**

##### **CODE NEEDED:**

- Code for the Search button to be able to communicate with the database and run search and display queries based on the search criteria provided.
- Code should be able to use wildcards and search for the provided criteria across all searchable columns in the database.
- Code here should provide a more advanced search that will only search in a specific selected columns.
  - ✓ Code should also take the user to SEARCHRESULTS JSP once results are found.
  - ✓ If no results are found, there should be a message “No Concepts Found” displayed on the page in this instance.
  - ✓ Code should keep users on the SEARCH JSP in the cases where no results are found.
- Code for the Create New Idea button to take users to the CREATE JSP.
- Code for the Records button to take users to the RECORDS JSP.
- Code for the List button to take users to the LIST JSP.

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Design Notes – Page 12 (SEARCHRESULTS)



SEARCHRESULTS: A results page that displays the results retrieved from searching for concepts based on a specific search term.

Button Mapping (will have the following buttons):

1. Back – takes the user to SEARCH.
2. Create New Idea – takes the user to CREATE.

**\*\*The following buttons utilize checkbox selection. Only one idea can be selected at a time, and the button used will act only on the selected record\*\***

3. Edit Idea – takes the user to EDIT to update the selected idea.
4. Delete Idea – Removes the selected idea from the page and the application – keeps the user on SEARCHRESULTS.

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#### **Design Notes – Page 12 (SEARCHRESULTS)/Part 2**

##### **CODE NEEDED:**

- Code for the Back button to take users to the SEARCH JSP.
- Code for the Create New Idea to take users to the CREATE JSP.
- Code for the Search Results page to communicate with the database and be the destination for any results found as a result of a successful search.
  - ✓ Code for the page to have each displayed set of results from the database from the current session remain on this page throughout the user session.
  - ✓ Code preventing the application from coming here in the instances where no results are found.
- The code should provide Edit and Delete functionality for the listed records.
  - ✓ Once the list is provided, code should display 20-25 records per page with a way to advance through “pages”.
  - ✓ Code on this page should have an “Edit” column with a checkbox for each displayed concept in it.
  - ✓ Code on this page should have a “Delete” column with a checkbox for each displayed concept in it.
  - ✓ The code will only allow a single checkbox (from any column) to be selected. (One concept row can be selected, and after that only one checkbox in either the Edit or Delete columns. Nothing more than that.
- Code for the Edit Idea button to take users to the EDIT JSP.
  - ✓ Code should be set up so that when the checkbox for “Edit” is checked and the Edit Idea button is used, all instance variables for that selected item are taken to the EDIT JSP and loaded into the corresponding text area on that page for editing.
- Code for the Delete Idea button should be able to communicate with the database to perform delete functions on database records.
  - ✓ Code should be set up so that when the checkbox for “Delete” is checked and the Delete Idea button is used, the selected record is removed from the database.
  - ✓ There should be a message “Concept Successfully Deleted” that should be provided on the page in this instance.



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**Design Notes – Page 13 (LOGOUT)**



**LOGOUT:** The Log Out page for those that have elected to leave the application. When this page is reached from the use of the Log Out button wherever it appears, it acts as a confirmation that the user's sessions and activities are successfully closed and ended. If this page is not reached, there may have been errors in the log out process.

Button Mapping (will have the following buttons):

1. Main – takes the user to INDEX.
2. Log In – takes the user to LOGIN.

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**Design Notes – Page 13 (LOGOUT)/Part 2**

CODE NEEDED:

- Code for the Main button to take users to the INDEX JSP.
- Code for the Log In button to take users to the LOGIN JSP.
- Code for this page to make sure that if we are prompted to come to this page by the user choosing to Log Out:
  - ✓ All session sensitive queries that may be running are closed.
  - ✓ All results being displayed for this current user's session are closed.
  - ✓ All database connections are closed.

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**Design Notes – Page 14 (ADMIN)**



ADMIN: The main Administration page. Seen when admin roles look to make changes.

Button Mapping (will have the following buttons):

1. Delete Account – Deletes a selected account.
2. Search Account – Allows a search by user name, first name or last name.  
Contains Dynamic HTML that will display a message when changes made, and then provide new button choices:
3. Log Out – takes admin user to LOGOUT
4. Create Ideas – Takes Admin user to CREATE.

CODE NEEDED:

- Code for the Create Ideas button to take users to the CREATE JSP.
- Code for the Log Out button to take users to the LOGOUT JSP.