Summary

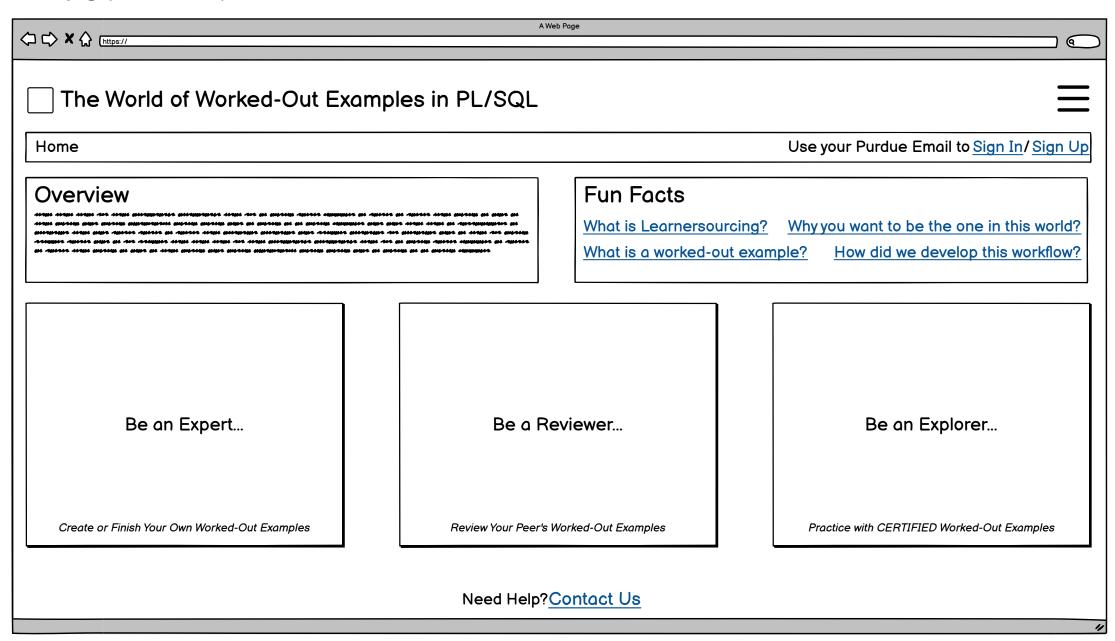
This is a web-based application that can be used to support the learnersourcing workflow in the PL/SQL programming class. The primary users of this web-based application are the students who have enrolled in the class. The purpose of this application is to help students connect the knowledge they've gained from the classroom to real-world situations.

There are three main functions of this web-based application: create, review, and practice. In the "Be an Expert" page, students can create a new worked-out example by clicking a button. A separate page with instructions will appear to guide students through the creation process. Students can review their in-progress and completed worked-out examples. In the "Be a Reviewer" page, students can review their classmates' worked-out examples by clicking on the WEID listed in the table. They are also responsible for reviewing revisions made by student creators. Finally, the "Be an Explorer" page allows students to practice with all "Certified" worked-out examples and sort them using the given filters.

The revised version of this web-based application has solved the issues that the reviewer has identified. Here is the list of changes:

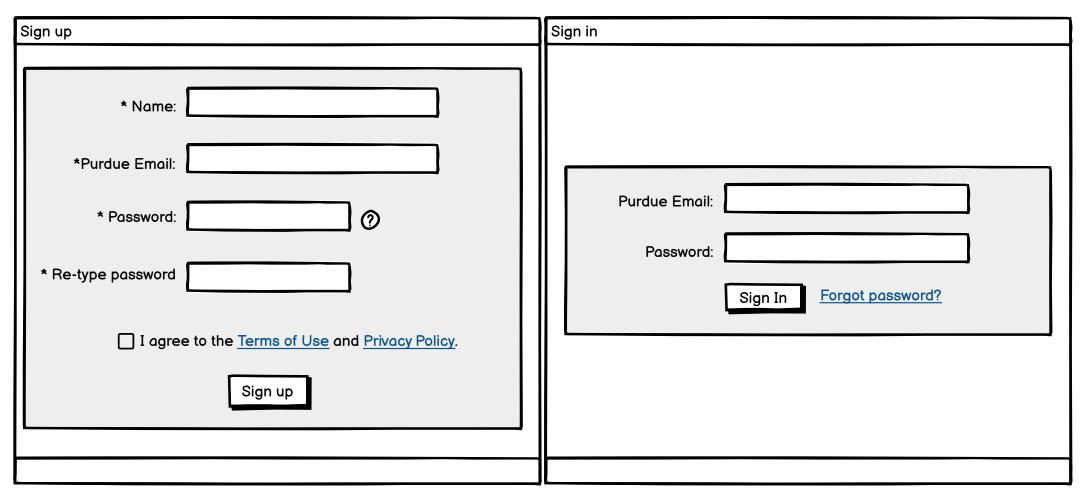
- 1. Add a "Fun Facts" section to the homepage to help students learn some basic information about learnersourcing, worked-out examples, and overall workflow.
 - 2. Separate the "Sign In" and "Sign Up" into two separate links.
 - 3. Add a hamburger sign to all pages on the top right corner to allow users easy access to other pages.
 - 4. Rearrange the order of tables on the page called "Be an Expert."
 - 5. Add information icons next to "Status of Certification" and "WE ID" to explain what it means.
 - 6. Add breadcrumbs under each table to deal with a large number of worked-out examples.
 - 7. Add another page called "Conduct A Review."
 - 8. Remove the "Learn more" on "Sign Up" Page.
 - 9. Add a button named "Cancel and Exit" on the "Create a new worked-out example" page.

Homepage(Student View)



This is the homepage of my web-based application designed for students and learners. In the top right corner, users can sign in or sign up using the provided link. There is a section called Overview where a student can see a summary of their performance from the last time he/she signed in. Next to the Overview, there is a section called "Fun Facts" where student could learn some basic information about the learnersourcing, worked-out example, and this system. The middle of the page features three buttons, each leading to a different page.

Sign Up



Be an Expert...

A Web Page https://	
Lley FirstName, about your expertise to this would	<u> </u>
Hey FirstName, show your expertise to this world!	=
Home > Be an Expert	Good morning/afternoon/night,Username
Tione De dir Experti	ood morning/arternoon/mg/it, obername
New Worked-Out Examples:	
Have some new ideas on how newly learned knowledge could be applied into real-world scenarios? Click the	button below to create it!
Create a NEW Worked-Out Example	
The Worked-Out Examples in Progress:	

WE ID (i)	Status of Certification (i) +	Topic	Date of Creation +	Number of Responses +	Ratings and Reviews
<u>3</u>		Function	Feb 29th 2024	0	Not Available
<u>4</u>		Procedure	Feb 29th 2024	0	Not Available

Page: 1, 2, 3, 4 ...

Completed Worked-Out Examples:

WE ID (i)	Status of Certification (i) +	Topic	Date of Creation	Number of Responses +	Ratings and Reviews
<u>1</u>	\square	Basic PL/SQL	Feb 9th 2024	3	Read
<u>2</u>		Basic PL/SQL	Feb 29th 2024	3	Unread

Page: 1, 2, 3, 4 ...
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This is the page that students see when they click on the "Be an Expert" button. On this page, they can click on the "Create a New Worked-out Example" button to go to a new page where they can create a new worked-out example. They can also view their completed worked-out examples and the ones that are in progress. They have the option to review and revise their completed worked-out examples and continue working on the ones that are in progress by clicking on the WEID.

Create a new worked-out example

FirstName, let's create something new!	=
Home Be an Expert Create a NEW Worked-Out Example Good morning	ng/afternoon/night, <u>Username</u>
Doto.	ed Help? nally left blank for later implementation of ChatGPT

This is the page that appears when a student clicks the "Create a New Worked-Out Example" button. Here, students can create their own worked-out examples following the provided instructions.

		A Web Page
<	↑	
	Hey FirstName, your peers need your energy!	
	Home Be a Reviewer	Good morning/afternoon/night, <u>Username</u>

Worked-Out Examples Need Your Review:

WE ID	Status of Certification (i) +	Topic	Date of Creation +	Number of Reviews Needed
<u>11</u>		Basic PL/SQL	Feb 9th 2024	3
<u>22</u>		Basic PL/SQL	Feb 29th 2024	3
<u>33</u>		Function	Mar. 1st 2024	2
44		Procedure	Mar. 1st 2024	1

Page: 1, 2, 3, 4 ...

Worked-Out Examples You Have Reviewed:

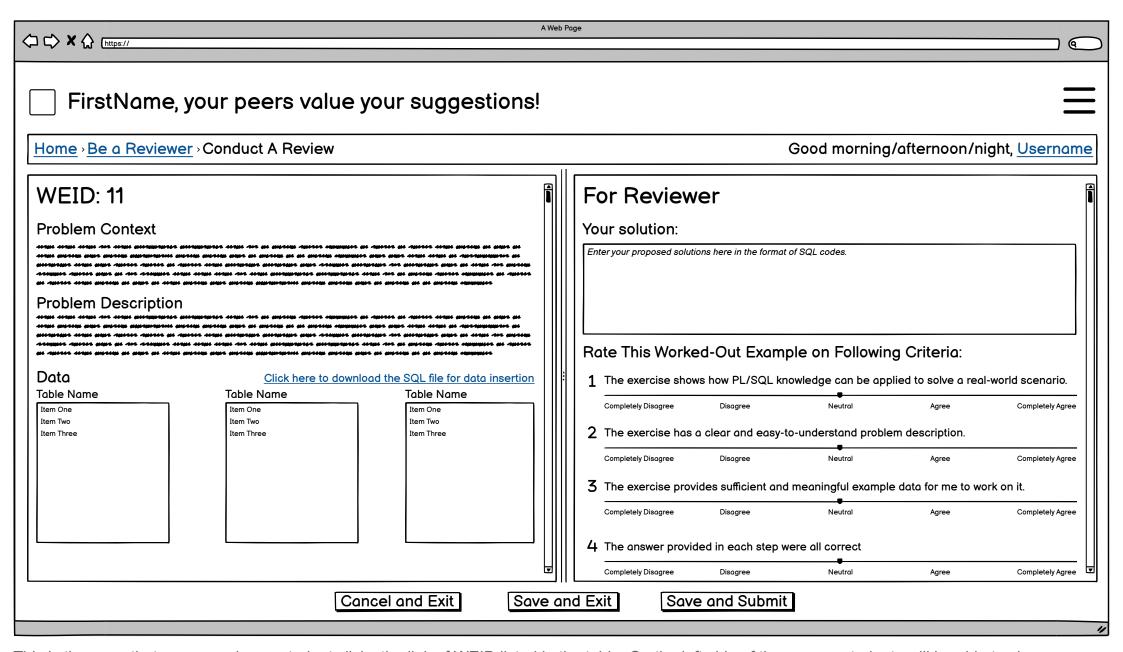
WE ID	Status of Certification (i) +	Topic	Date of Creation +	Number of Reviews Needed	Revision from Creator (i)
<u>55</u>	\square	Basic PL/SQL	Feb 9th 2024	0	Not Required
<u>66</u>		Basic PL/SQL	Feb 29th 2024	0	Completed
<u>77</u>		Function	Mar. 1st 2024	1	<u>Updated</u>

Page: <u>1, 2, 3, 4 ...</u>

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When students click on the "Be a Reviewer" button, they will be taken to this page that displays two tables. The first table contains all the worked-out examples that require peer review to become certified. By clicking on the WEID, students can access each worked-out example and conduct peer assessment. The second table lists all the worked-out examples that have been reviewed by the student. Students can track the updates and improvements made by the creator and adjust their review accordingly.

Conduct a Review



This is the page that appears when a student clicks the link of WEID listed in the table. On the left side of the screen, students will be able to view worked-out examples generated by their peers. On the right side of the screen, students will conduct peer reviews according to the instructions provided. Similar to creating a worked-out example, student reviewers will have the option to save their progress on reviewing a worked-out example or submit their review once they have finished.

Be an Explorer...

,	A Web Page	
	Hey FirstName, let's do some practices!	=
	Home Be an Explorer Good morning/afternoon/night Use	rname

CERTIFIED Worked-Out Examples:

Sort By: All | Most Liked | Latest | Recommended by Instructors | You might be interested in

WE ID	Status of Certification +	Topic	Date of Creation +	Number of Responses	Number of Likes	Recommended by Instructors
<u>12</u>	abla	Basic PL/SQL	Feb 9th 2024	3	3	✓
<u>13</u>	abla	Basic PL/SQL	Feb 29th 2024	3	2	
<u>14</u>	abla	Function	Mar. 1st 2024	4	4	
15	☑	Procedure	Mar. 1st 2024	5	3	

Page: 1, 2, 3, 4 ...

Worked-Out Examples You Have Practiced:

WE ID	Status of Certification +	Topic	Date of Creation +	Number of Responses	Number of Likes	Recommended by Instructors
<u>12</u>	$oldsymbol{oldsymbol{arphi}}$	Basic PL/SQL	Feb 9th 2024	3	3	✓
<u>13</u>	$oldsymbol{oldsymbol{arphi}}$	Basic PL/SQL	Feb 29th 2024	3	2	
<u>14</u>	$oldsymbol{oldsymbol{arphi}}$	Function	Mar. 1st 2024	4	4	V
<u>15</u>	$oldsymbol{oldsymbol{arphi}}$	Procedure	Mar. 1st 2024	5	3	

Page: 1, 2, 3, 4 ...

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On this page, students can click on the WEID of each worked-out example to access them. They can filter the list of certified worked-out examples by clicking the provided choices. Then, they will be able to practice with each worked-out example. Once they submit their own solutions, they can review the answers provided by their classmates and leave comments or suggestions for the creators. There is another table used to record all worked-out examples have been practices by student.