40.0 hours

Project 10

Build a Library Manager

Why can't I submit this project yet?

You must first complete all prior Techdegree content before you can submit this project. Additionally, you cannot submit more than one project at a time.

Submit for Peer Review

Your current activity is [HTML Tables](#).

- [Instructions](#)
- [How you'll be graded](#)

To get a passing grade you'll need to submit a project that meets the following requirements. If your project receives a "Needs Work" rating on any of these tasks, then you'll need to edit your project and re-submit it until it "Meets" or "Exceeds" each task requirement.

	Needs Work	**Meets Expectations**	**Exceeds Expectations**

Models	- Project is missing one or more of the following Sequelize models:
	  - books
	  - patrons
	  - loans
		- Project includes the following Sequelize models:
		  - books
		  - patrons
		  - loans
			N/A

	Needs Work	**Meets Expectations**	**Exceeds Expectations**

Home Screen	• Home screen is missing one or more links to pages.	Includes links to *all* of the following pages, and links lead to the correct page:
		
		• Books:
		  ○ New Book
		  ○ List All
		  ○ List Overdue
		  ○ List Checked Out
		• Patrons:
		  ○ New Patron
		  ○ List All
		• Loans
		  ○ New Loan
		  ○ List All
		  ○ Overdue
		  ○ List Checked Out
			• N/A

Navigation	• One or more pages are missing links to the books, loans and patrons pages	• Includes a main navigation menu that appears on every page.
		
		• Main navigation contains working links to:
		
		  ○ Books (all book listings page)
		  ○ Patrons (all patron listing page)
		  ○ Loans (all loans listing page)
			• N/A

	Needs Work	**Meets Expectations**	**Exceeds Expectations**

Books Listing Page	• Books table is missing one or more columns
	
	• Book titles don't link to each book's detail page
	
	• Does not include option to filter books by "All", "Overdue", and "Checked Out"
	
	*Does not include a button to create a new book
		• Displays table of books with the following columns:
		   ◦ Book Title
		   ◦ Author
		   ◦ Genre
		   ◦ Year Released (First Published)
		
		• Each book title links to the book's detail page.
		
		• Includes option to filter books by "All", "Overdue", and "Checked Out"
		
		• Includes a button to create a new book
		
		• Includes a form to add a new book. Form contains the following fields:
		   ◦ Title (required)
		   ◦ Author (required)
		   ◦ Genre (required)
		   ◦ First Published (optional)
			• Has working pagination for books list.
			
			• Has working search functionality. Can search by `title`, `author`, `genre`, etc.

New Book Page	• The new book form is missing one or more form fields.	• An error is displayed if the form is submitted with blank or invalid data in required fields. For example: "This field is required." • When the form is submitted successfully, user is redirected to the Books Listing Page and the new book appears in the list.	• N/A

	Needs Work	Meets Expectations	Exceeds Expectations
Book Detail Page	- No Loan History table, or Loan History table is missing columns - Action column doesn't contain a "Return" link for checked out books - Book detail page does not contain an update form, or user is unable to update the book details. - The update form is missing one or more fields. - The update form accepts blank required fields, or invalid information and/or doesn't display an error	- Contains a Loan History table with the following columns: book name, patron, loaned on, return by, returned on and action. - If the book is checked out, the "Action" column contains a link to return the book - Includes a form allowing the user to update the book, with the following input fields: - Title (required) - Author (required) - Genre (required) - First Published (optional) - When the form is submitted successfully, user is redirected to the Books Listing Page and the book appears in the list with updated information.	N/A

	Needs Work	**Meets Expectations**	**Exceeds Expectations**
Loans Listing Page	• No option to filter books • Does not include a button that links to the New Loan Page • Table is missing one or more columns, or loaned books are not displayed • One or more books are linked to the incorrect patron • Return Book button does not appear in the "Action" column.	• Contains option to filter books by "All", "Overdue", and "Checked Out" • Includes a button that links to the New Loan Page • Contains a table of loans with the following columns: 　○ book title 　○ patron 　○ loaned on 　○ return by 　○ returned on 　○ action • The "patron" field links to the patron who checked out the book • If the book is checked out, the "Action" column contains a link to return the book	• Has working pagination

	Needs Work	Meets Expectations	Exceeds Expectations
New Loan Page	- Form is missing one or more form fields - The Patron and Books fields are not select boxes with the complete list of books and patrons. - The "Loaned on" is not pre-populated with today's date and "Return by" is not 7 days in the future. - No loan is created in the database when the form is submitted. - The edit form accepts a blank form or invalid information, and/or no error appears	- Includes the following form fields: - Book (required) - Patron (required) - Loaned On (required) - Return By (optional) - Patron and Book are select dropdown menus with the complete list of patrons and books. "Loaned on" is pre-populated with today's date, in YYYY-MM-DD format. "Return by" is 7 days in the future. - An error is displayed if the form is submitted with blank or invalid data in required fields. For example: "This field is required." - When the form is submitted successfully, a loan is created in a the database	N/A

	Needs Work	**Meets Expectations**	**Exceeds Expectations**
Return Book Page	• One or more of the required pieces of information is missing. • The "Returned on" field is not pre-populated with today's date • Does not include a button to return book • The loan isn't updated when the form is submitted. • The edit form accepts a blank form or invalid information, and/or no error appears	• Displays book title, the patron who borrowed the book, the loaned on and return by dates. • Has the "Returned on" field pre-populated with today's date. • Includes a button to return the book • An error is displayed if the form is submitted with blank or invalid data in required fields. For example: "This field is required." • When the form is submitted successfully, the loan should be updated in the database and the page should redirect to the loans listing page.	• N/A

Patrons Listing Page	• The table is missing one or more columns
	
	• One or more patron names do not link to the correct patron detail page
		• Displays a table listing patron's information:
		
		   ○ name
		   ○ address
		   ○ email
		   ○ library id
		   ○ zip
		
		• Each patron's name links to the corresponding patron detail page
			• Has working pagination.
			
			• Has working search facility. Can search by `first_name`, `last_name`,`library_id`, etc.

	Needs Work	**Meets Expectations**	**Exceeds Expectations**

Patron Detail Page	• The edit form accepts a blank field or invalid information and/or doesn't display an error
	
	• The patron's information isn't updated after form submission
	
	• The page doesn't show history of related loans, or one or more links in the loan table lead to an incorrect place.
		• Contains a form with the following fields (all fields should be required fields):
		
		  ○ First Name
		  ○ Last Name
		  ○ Address
		  ○ Email
		  ○ Library ID
		  ○ Zip Code
		
		• An error is displayed if the form is submitted with blank or invalid data in required fields. For example: "This field is required."
		
		• When the form is submitted successfully, the patron should be updated in the database and the page should redirect to the patron page.
		
		• Shows a Loan History table
		
		• Each entry in the loans table should have links to books, patrons and if the book is checked out, the link to the return book page.
			• N/A

	Needs Work	**Meets Expectations**	**Exceeds Expectations**

New Patron Page	• Form is missing one or more required fields.
	
	• Form accepts blank form or invalid information, and/or no error appears
		• Has labels that correctly select form inputs. All fields should be required, and should include:
		   ◦ First Name
		   ◦ Last Name
		   ◦ Address
		   ◦ Email
		   ◦ Library ID
		   ◦ Zip Code
		
		• An error is displayed if the form is submitted with blank or invalid data in required fields. For example: "This field is required."
		
		• When the form is submitted successfully, a patron should be created in the database and the page should redirect to the patrons listing page.
			• N/A