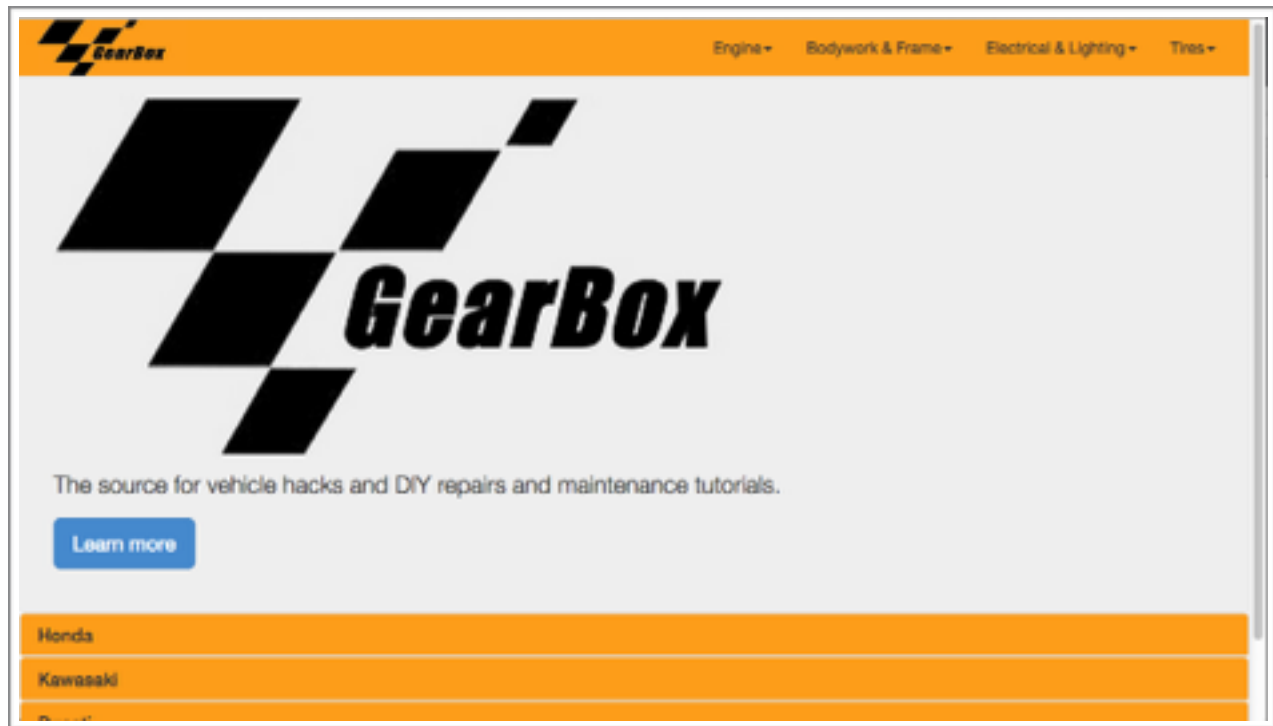


COEN268 Final Project

Gearbox Web Application



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Jillian Carleton

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Summer 2014

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Work Units

Hinsen Chan

Total hours: 115.5

Research & Design:

- Design: 2
- HTML Research: 1
- CSS Research: 1
- Javascript Research: 8
- Bootstrap Research: 4
- Firebase Research: 2
- Ember Research: 16
- Reports: 3

Coding/Debugging:

- Navigation Components: 4
- Tutorial Components: 16
- Rating Components: 4
- Navigation Controllers: 4
- Tutorial Controllers: 16
- Models: 14
- Routes: 3
- Tutorial Templates: 14
- Navigation Template: 2
- New Template: 1
- Vehicle Template: .25
- Welcome Template: .25

Jillian Carleton

Total hours: 31 hours

- Finding & learning to use Bootstrap: 4

- Milestones: 2
- Ember Design/Outline: 3
- Creation of edit option buttons: 2
- Functionality of those buttons: 10
- Input option for editing (even though we ended up using the bootstrap modal): 6
- Implementing vehicle links (even though we decided against it due to time): 3
- Powerpoint: 1

Yishu Chen

Total hours:45 hours

- 10 hours: build html page and CSS styling by using bootstrap
- 12 hours: ember create, build button function(edit, delete, create and read)
- 5 hours: try to figure out how to transform all codes in components into templates
- 3 hours: get to know the LSAdapter and how to import it to the ember
- 15 hours: create a new tutorial record, route, template, controller. Try to push new record to the store and save those data persistently.

Run Instructions

Setup:

1. run “ember init” from gearbox directory
2. in gearbox/app/routes/index.js, there are two calls that are used for debugging. by default, these are not commented out for convenience purposes. after the initial run, these two lines can be commented out for the data to persist properly. if these two lines are left in, data for app can be reset by just going back to index route at <http://localhost:4200/>
 - a. line 6: `localStorage.clear()` will clear local storage data
 - b. line 9: `this.buildFixtures()` will repopulate application with default fixture data
3. run “ember server” to start ember server service
4. goto <http://localhost:4200/> to view app

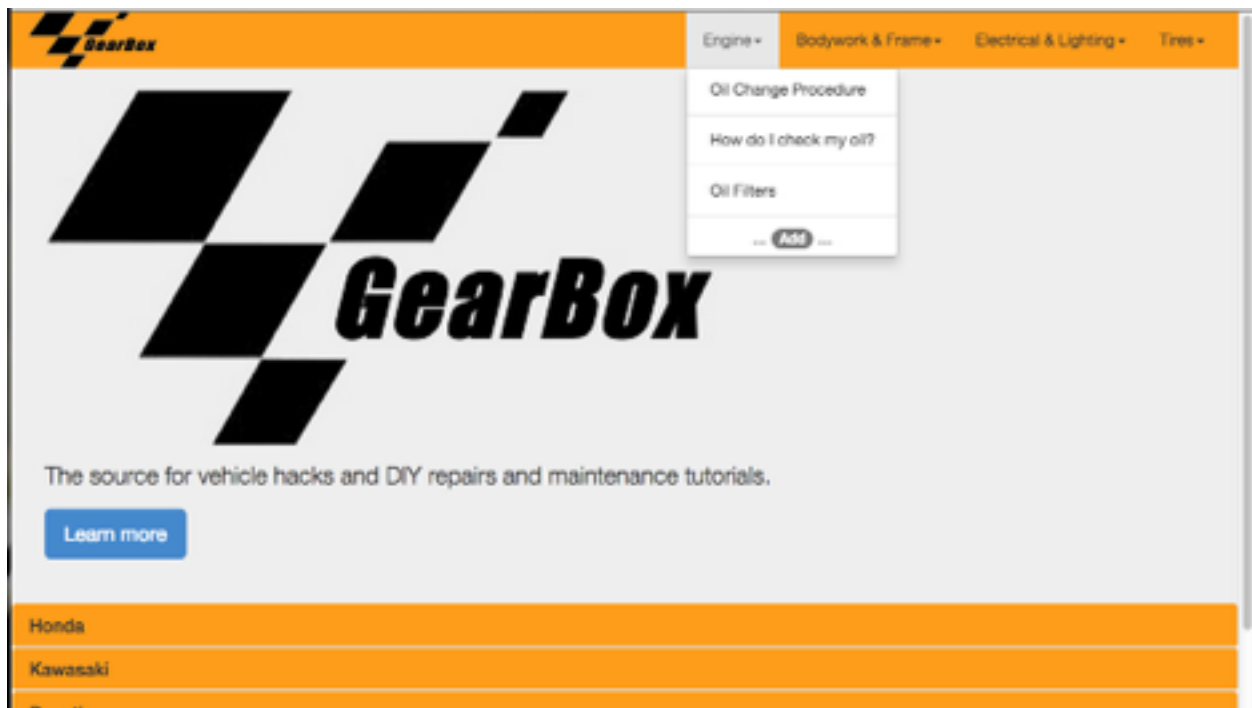
Overview

Features:

Index Page:

<http://localhost:4200/>

- View App Description (learn more)
- Filter Tutorials By Vehicles (not fully implemented. vehicles make and models are loaded from the data store. however, the action to filter the tutorials has not been implemented due to time constraints)
- Navigate to specific Tutorials
- Navigate to add Tutorial page

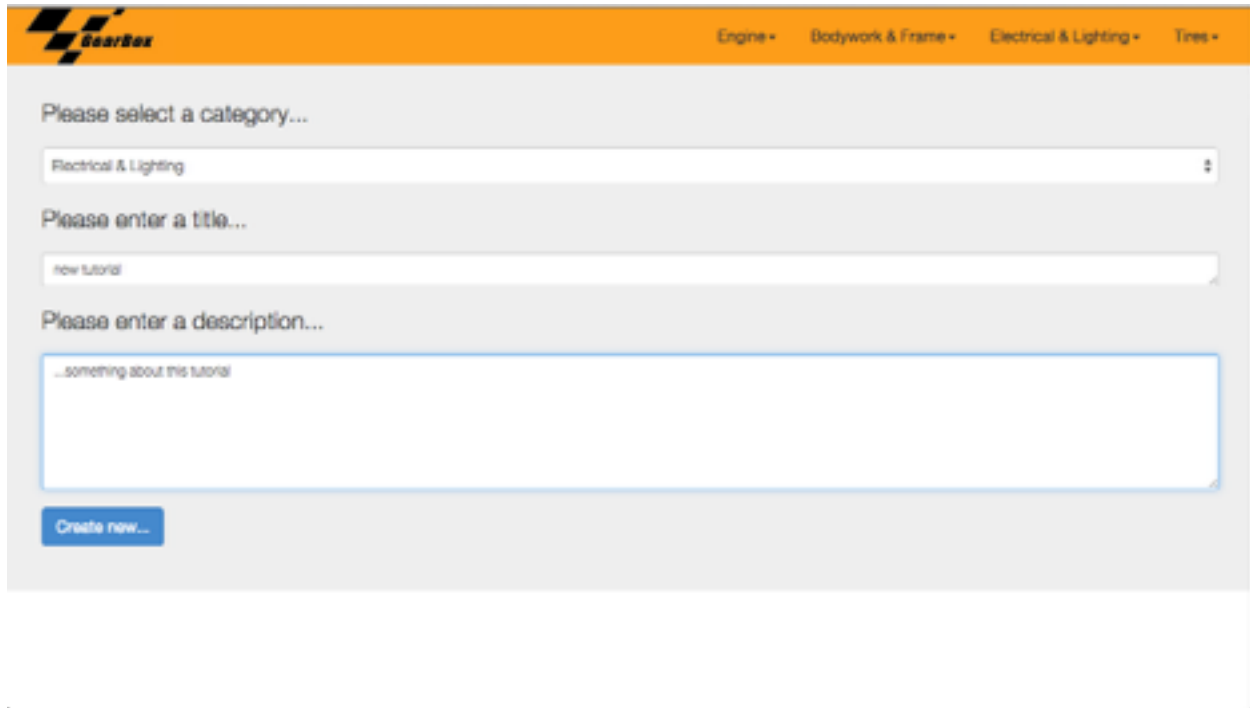


New Page

<http://localhost:4200/tutorial/new/>

- Navigate to specific Tutorials
- Navigate to add Tutorial page (clears filled-out contents)

- Navigate back to application index page
- Create new tutorial by...
 - selecting predefined category
 - entering a title
 - entering a description



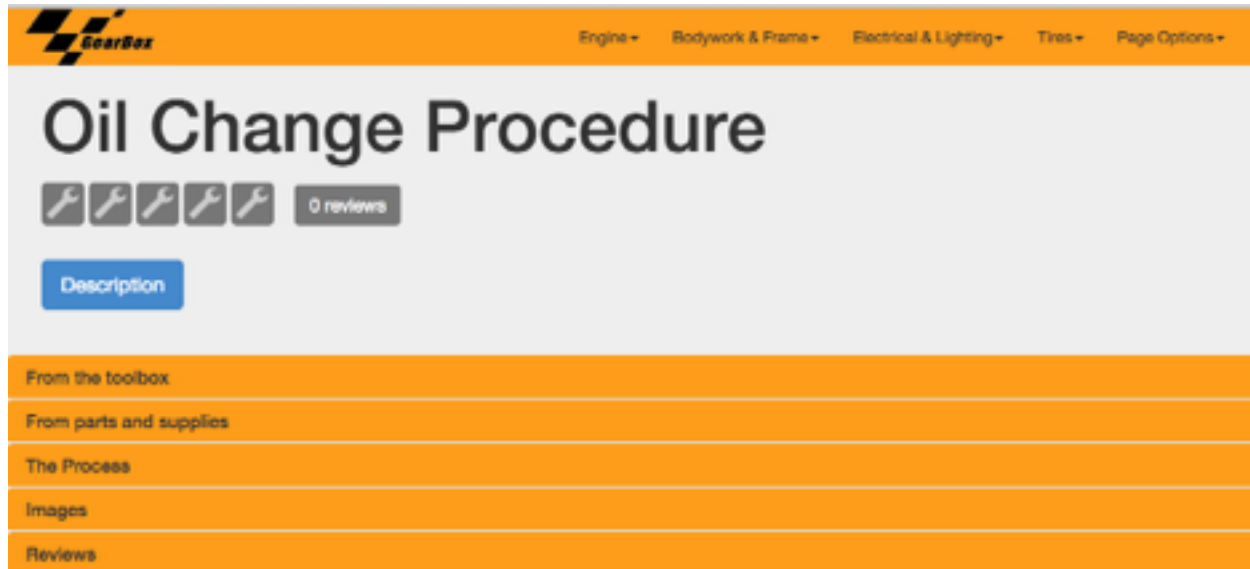
The screenshot shows a web application interface for creating a new tutorial. At the top, there is an orange header bar with the 'GearBox' logo on the left and four navigation links: 'Engine', 'Bodywork & Frame', 'Electrical & Lighting', and 'Tires'. Below the header, the form is titled 'Please select a category...' and features a dropdown menu with 'Electrical & Lighting' selected. The next section is 'Please enter a title...' with a text input field containing 'new tutorial'. The third section is 'Please enter a description...' with a large text area containing '...something about this tutorial'. At the bottom left of the form is a blue button labeled 'Create new...'. The entire form is set against a light gray background.

Tutorial Page

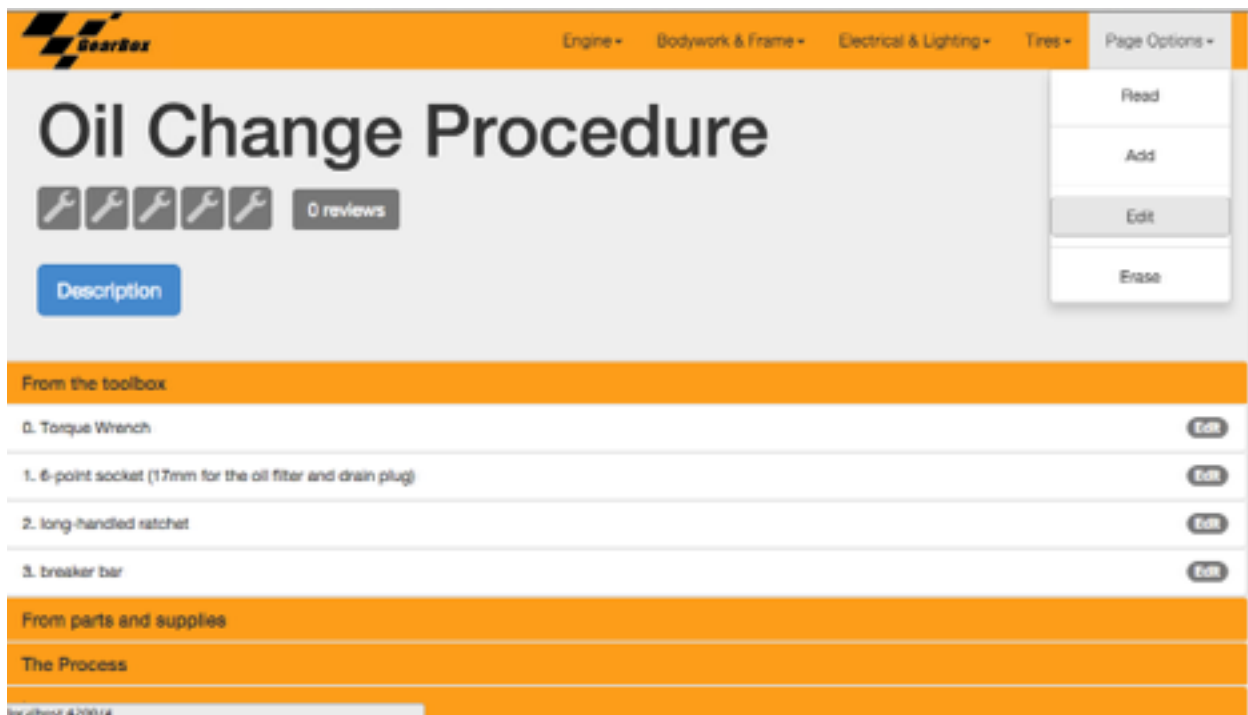
<http://localhost:4200/tutorial/1>

- Navigate to specific Tutorials
- Navigate to add Tutorial page
- Navigate back to application index page
- Navigate to Add/Edit/Erase mode via Page Options
- View Tutorial Description
- View Tutorial toolbox
- View Tutorial parts and supplies
- View Tutorial process
- View Tutorial images
- View Tutorial reviews

Tutorials - Navigation Page Options:

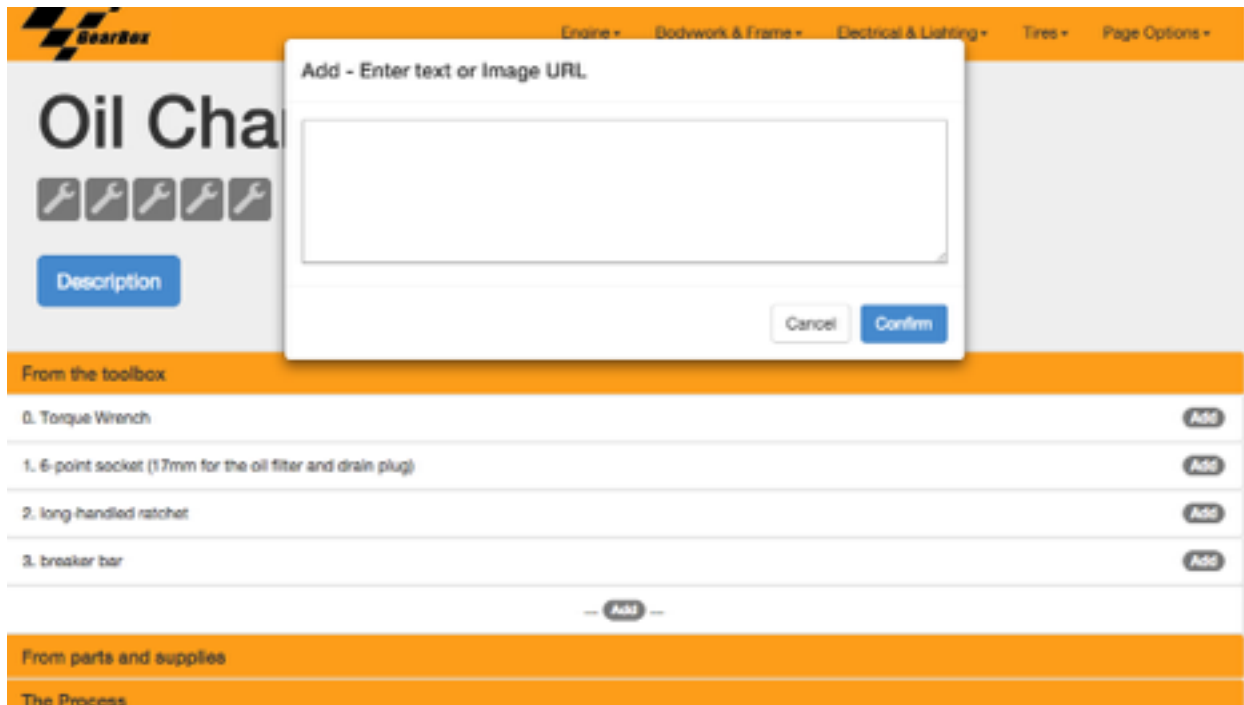


- Change application to Read/Add/Edit/Erase mode
 - Add - adds new components
 - Edit - edit existing components
 - Erase - erase existing components



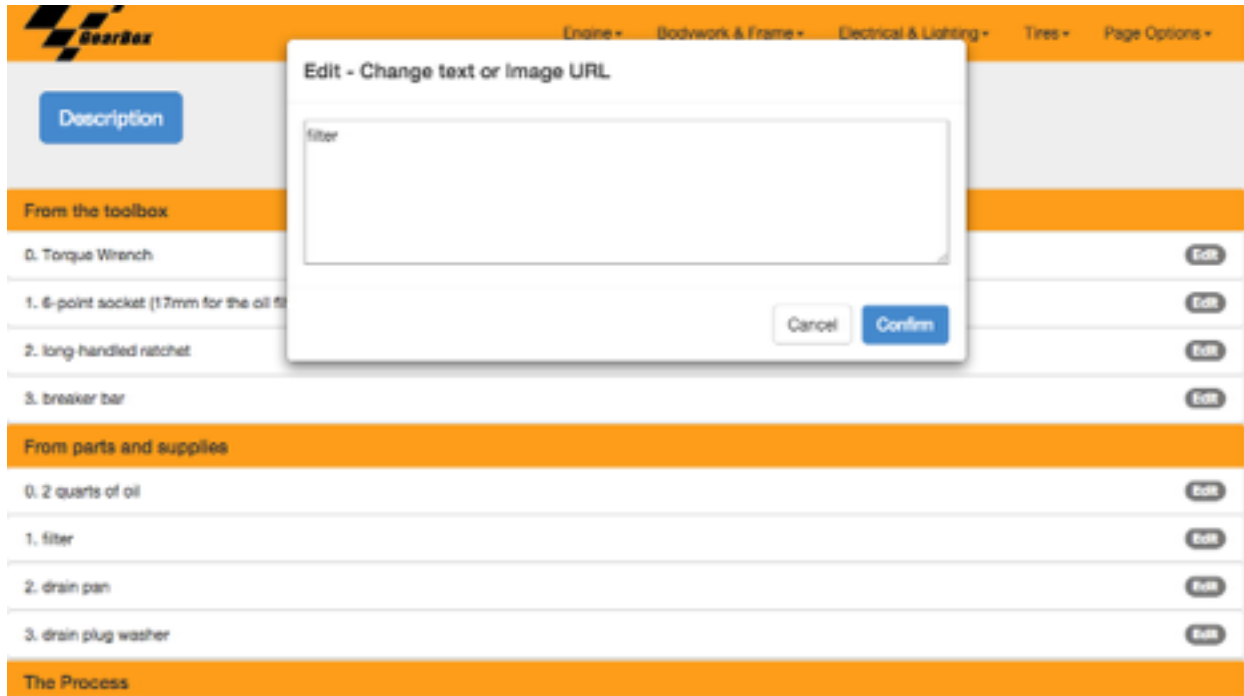
Tutorials - Add Mode:

- Change application to Add mode
 - Add - adds new components using a modal to input text
 - Add - for processes, images can be added as a process step and to the image carousel using the add image button



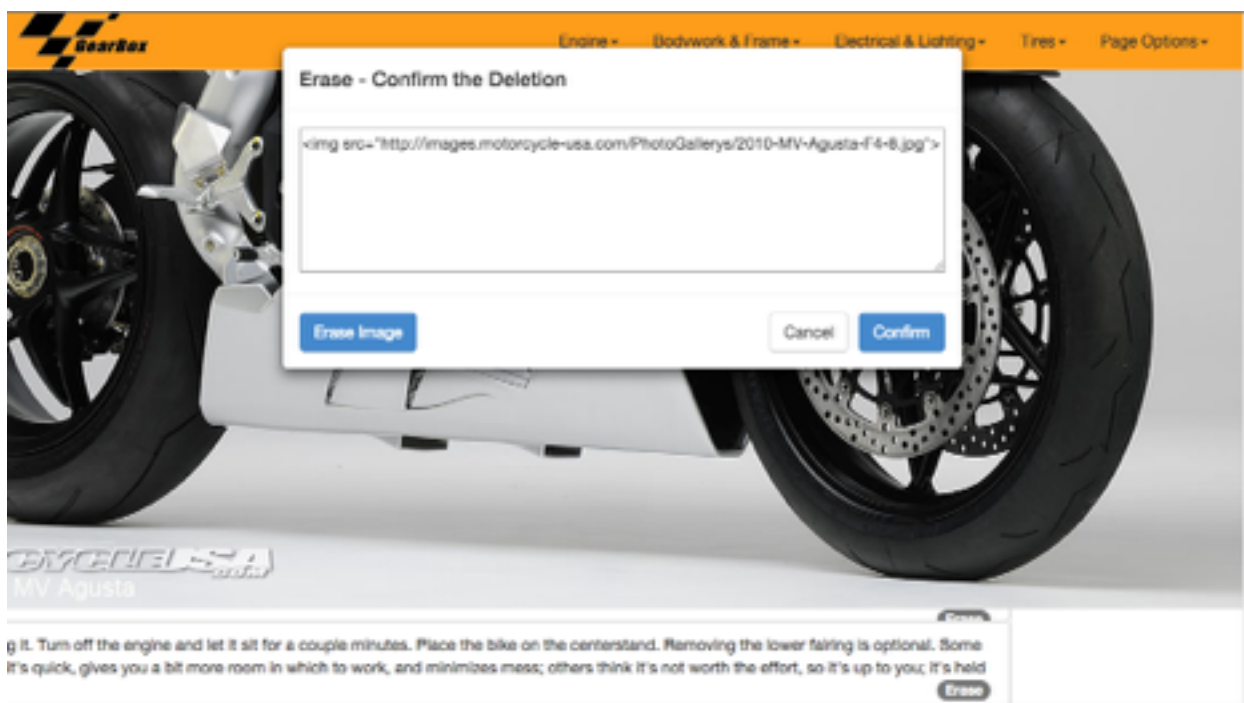
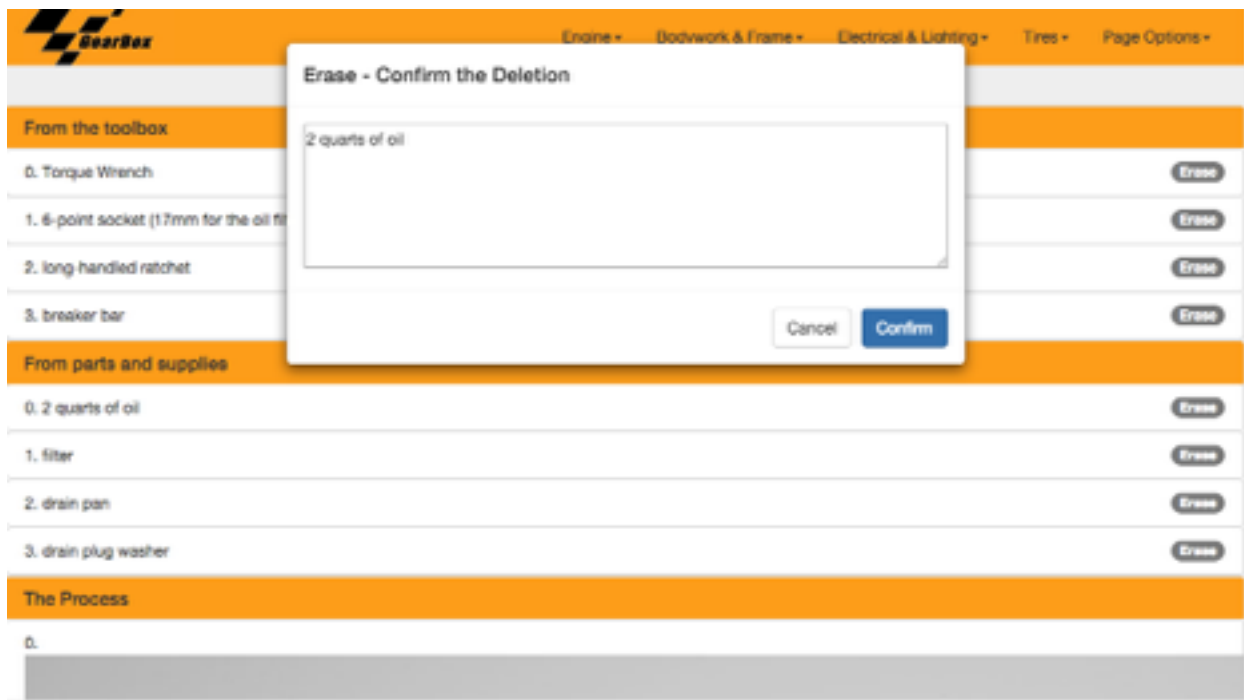
Tutorials - Edit Mode:

- Change application to Edit mode
 - Edit - change text in existing components using a modal to modify text



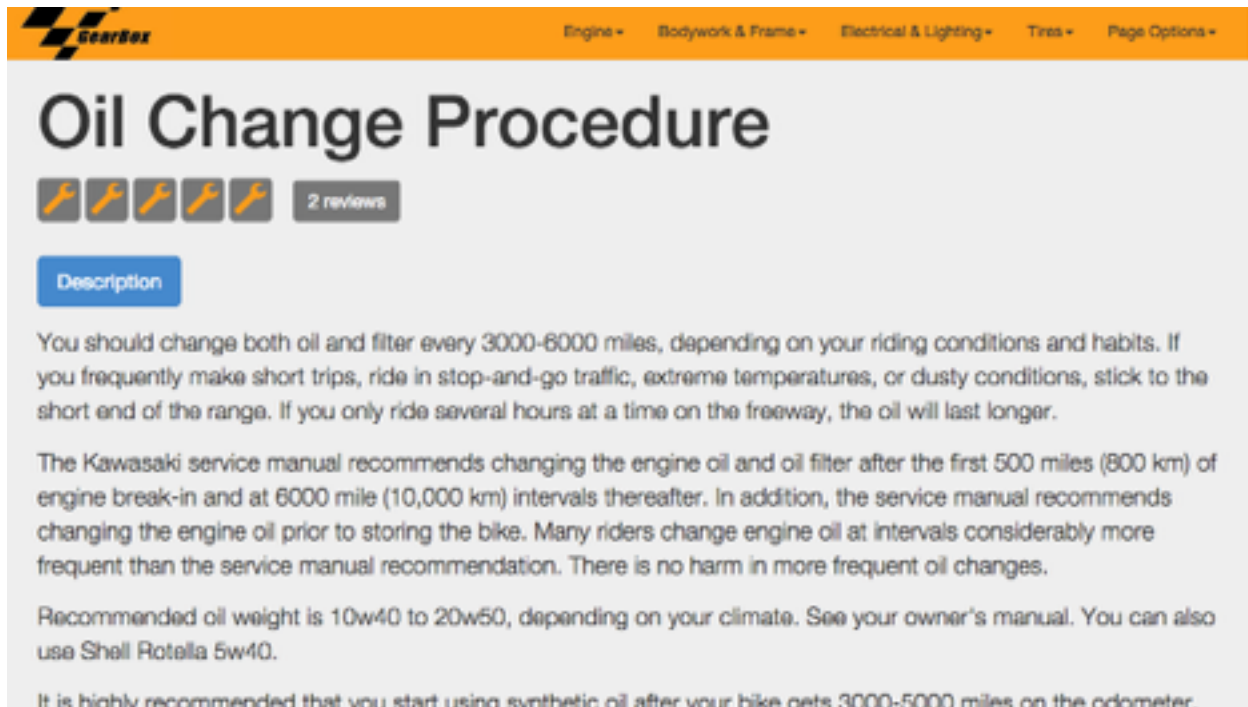
Tutorials - Erase Mode:

- Change application to Erase mode
 - Erase - remove text in existing components using a modal to confirm
 - Erase - remove images in process and image carousel using the remove image button



Tutorials - Description:

- View tutorial description
- View total number of reviews
- View average review rating (only refreshes when the page loads. doesn't automatically refresh when a user submits a new review. also there is a bug where if a rating wasn't submitted with a review, the average rating will not show properly)



Tutorials - Image Carousel:

- View images for tutorial in a carousel. Click next or prev to scroll through the set of images



Tutorials - Review:

- Review current tutorial
- Rate current tutorial
- Read past tutorials

engine, make sure the oil light goes out, and let the engine idle for a minute. Check the engine oil and wait a few minutes before checking the oil level again. Make sure as necessary to bring the level up to the upper mark (when both wheels are on the ground). Repeat until the oil level is consistently in the center or higher of the view window. Keeping the oil at or close to the upper mark is desirable, but do not overfill it, as you could blow a gasket. This is why you're adding oil bit by bit.

16. You may also want to check the old oil for any contamination or debris. Dispose of old oil responsibly. (Recycle)

17. Make sure you check for leaks, and check your oil level frequently. Ride it for a few minutes and check for leaks again. Make sure there is no oil leaking from around the filter assembly or drain plug.

Images


Reviews

Please select a rating...

Please enter a review...

this tutorial is awesome! thanks for contributing

Submit








[Engine](#)
[Bodywork & Frame](#)
[Electrical & Lighting](#)
[Tires](#)
[Page Options](#)

11. Make sure your wheels are round, and check your tire pressure frequently. Have it put a new tire valve and check tire round again. Make sure there is no air leaking from around the filter assembly or drain plug.

Images

Reviews

Please select a rating...

Please enter a review...

Submit

0. this tutorial is awesome! thanks for contributing

1. another tutorial

2. 1 more review

Reference

1. Ember JS: <http://emberjs.com/>
2. Ember-CLI: <http://www.ember-cli.com/>
3. Bootstrap: <http://getbootstrap.com/>
4. Firebase: <https://www.firebase.com/>
5. w3Schools: <http://www.w3schools.com/>