**CS 628 Full-Stack Development II**

**HOS06A: Reverse Engineering Practice 1 for the About Page**

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**Before You Start**

* The directory path shown in screenshots may be different from yours.
* Some steps are not explained in the tutorial**.** If you are not sure what to do:
  1. Consult the resources listed below.
  2. If you cannot solve the problem after a few tries, ask a TA for help.

**Resources**

* Holmes, S. & Harber, C. (2019). [Getting MEAN with Mongo, Express, Angular, and Node, Second Edition](https://login.proxy.cityu.edu/sso/skillport?context=148121). Manning Publications. (ISBN 9781617294754)
  + 4.5 Taking the Data out of the Views and Making Them Smarter
  + Appendix C: Dealing with All the Views
    - Listing C.5: about controller
    - Listing C.6: generic-text.pug template
* Pug, <https://pugjs.org/api/getting-started.html>

**Course Concepts**

* Understand the roles of Views and Controllers.
* Apply the process of taking the data out of the Views
* Make the Views smarter if necessary.

**Activities**

* Preparing for a MEAN project environment
* **Reverse Engineering the About page**
* Source Code Management and Deployment

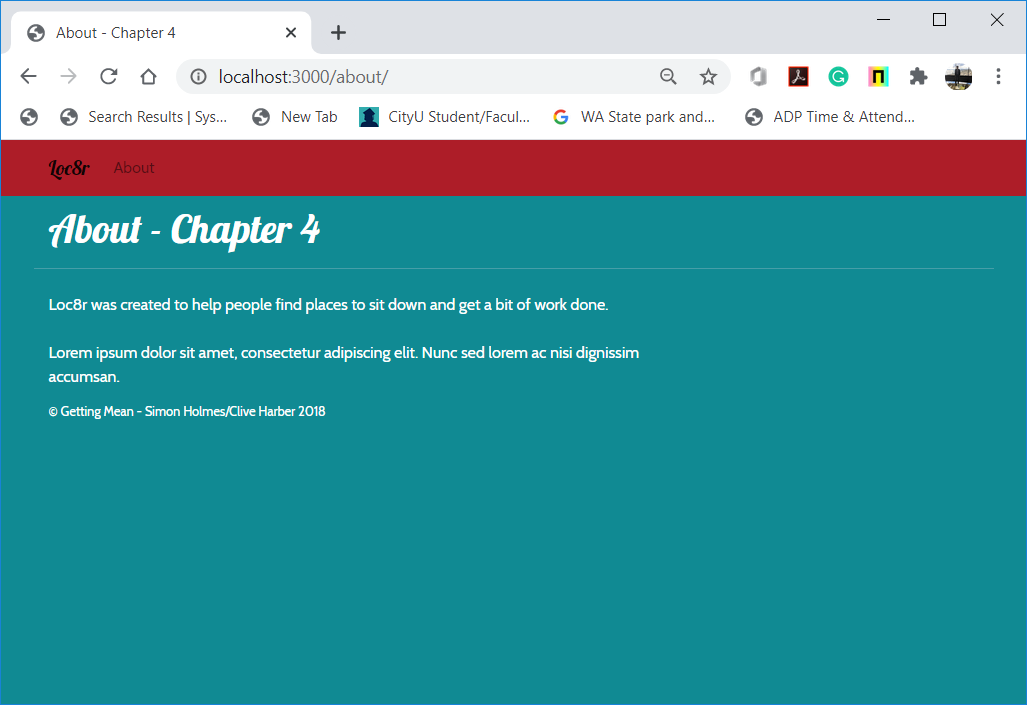
**Preparing for a MEAN project environment**

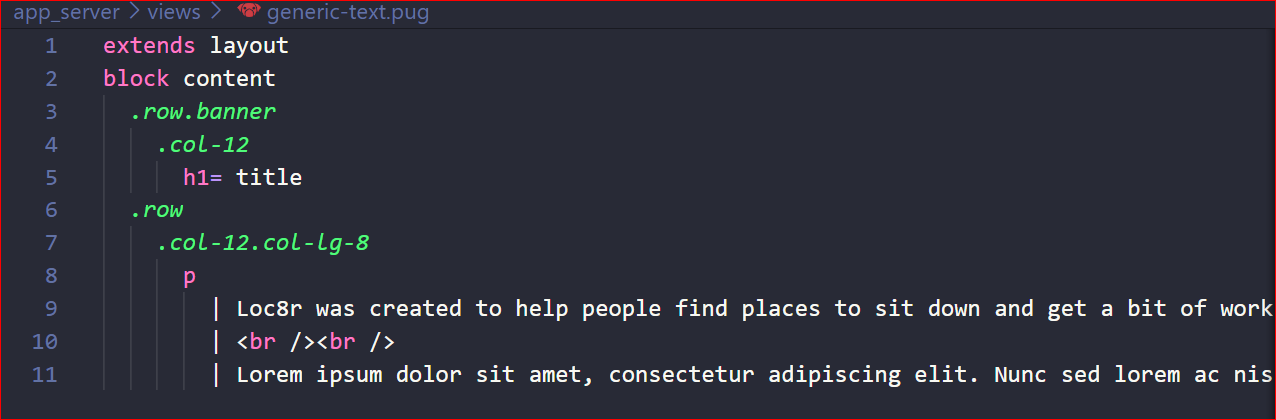
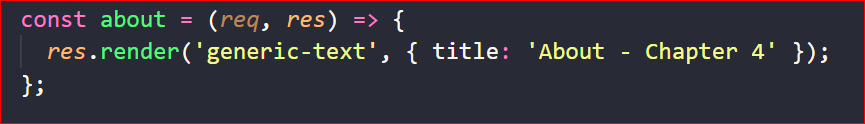
1. Copy the “module05b” directory to the “module06a” one.
2. Open the “module06a” folder in the VSCode.  
   Close the “Welcome” window.  
   Open the terminal (Ctrl+`).
3. Test whether the application works correctly.  
   >>>npm start

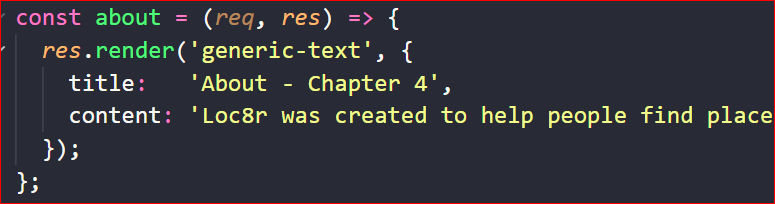
|  |  |
| --- | --- |
| <http://localhost:3000> | <http://localhost:3000/about> |
| <http://localhost:3000/location/> | <http://localhost:3000/location/review/new> |

**Reverse Engineering the About page**

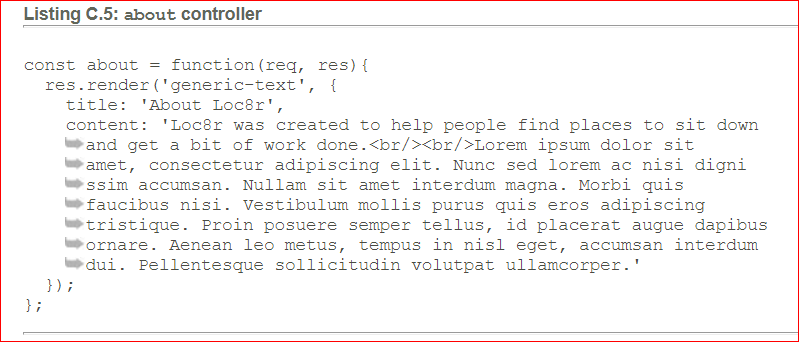
1. Discover what data need to be moved to the about controller from <http://localhost:3000/about/>

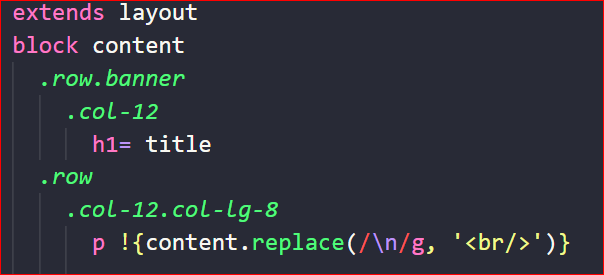


1. Look at the data in the view- generic\_text.pug.  
     
   
2. Create a structure for that data in the controller – about in others.js.  
   >>>Before change  
   

>>>After change  
For full information, check Listing C.5: about controller.  
  
  
  
 Replace “<br /><br />” with “\n\n”

\n\n



1. Replace the data in the view with references to the controller data - generic\_text.pug.  
   For full information, check Listing C.6: generic-text.pug template.
2. Test whether the application works correctly.  
   No interfaces were affected.  
   >>>npm start

|  |  |
| --- | --- |
| <http://localhost:3000> | <http://localhost:3000/about> |
| <http://localhost:3000/location/> | <http://localhost:3000/location/review/new> |

**Source Code Management and Deployment**

**Push your work to GitHub**

Run the following commands to push your work to the GitHub repository:

Open the terminal from the VSCode by hitting the control + ~ key and type the following command:

>>> git add .

>>> git commit -m “Submission for HOS06A ----yourname”

>>> git push origin master

**Push your work to Heroku**

>>> git push heroku master

If you cannot remember your branch name, run the command “git status” to check.

**Create a pull request**

* Go to the remote repository in GitHub
* Create a pull request