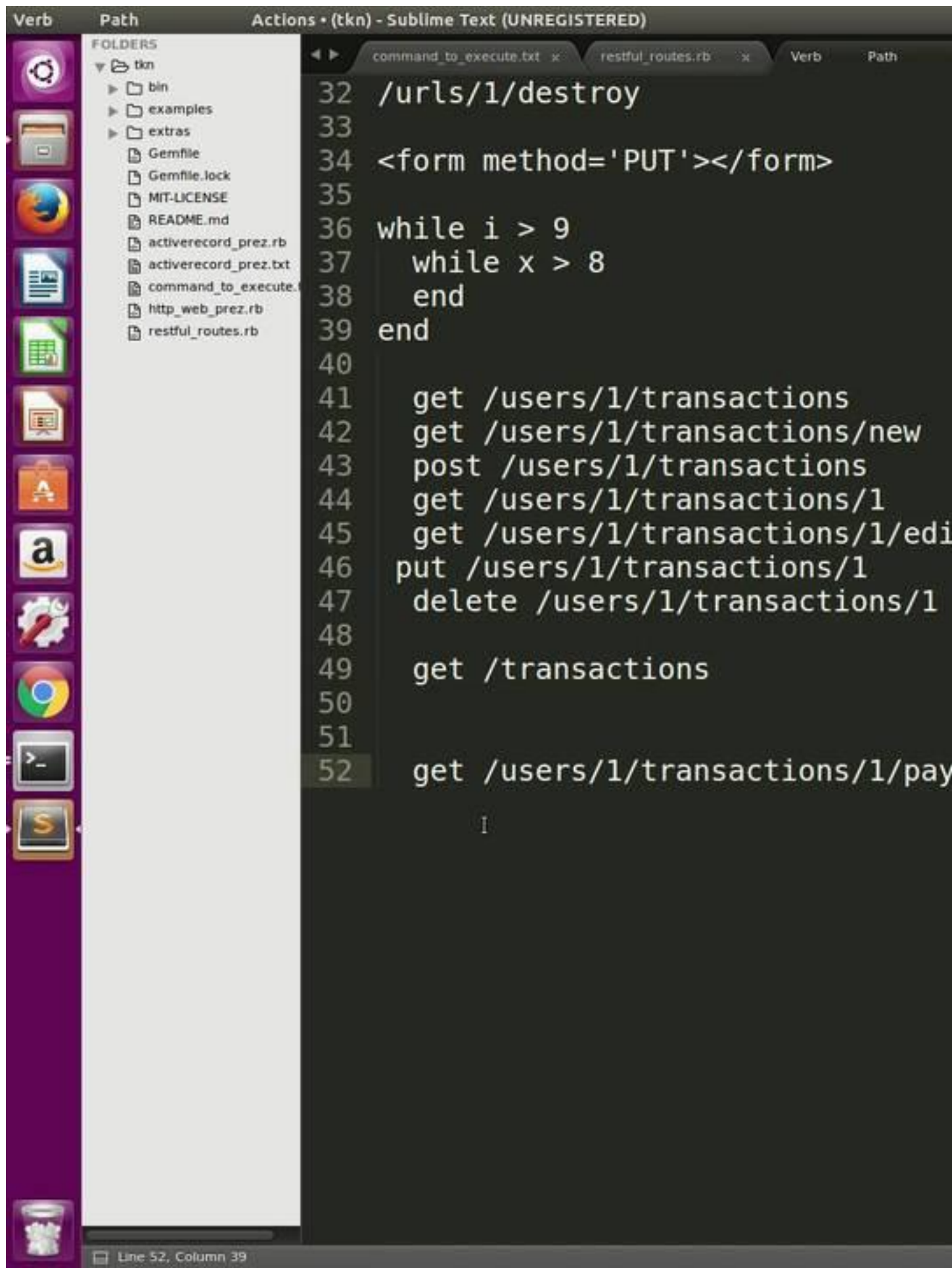


# Restful Routes

Time	~ 1 hour
Learning Goals	<ul style="list-style-type: none"><li>• Understand HTTP verbs and CRUD actions</li><li>• Understand resources</li><li>• Understand RESTful routes</li></ul>

# Restful Routes



Verb Path Actions • (tkn) - Sublime Text (UNREGISTERED)

FOLDERS

- tkn
  - bin
  - examples
  - extras
  - Gemfile
  - Gemfile.lock
  - MIT-LICENSE
  - README.md
  - activerecord\_prez.rb
  - activerecord\_prez.txt
  - command\_to\_execute.txt
  - http\_web\_prez.rb
  - restful\_routes.rb

command\_to\_execute.txt x restful\_routes.rb x Verb Path

```
32 /urls/1/destroy
33
34 <form method='PUT'></form>
35
36 while i > 9
37   while x > 8
38   end
39 end
40
41   get /users/1/transactions
42   get /users/1/transactions/new
43   post /users/1/transactions
44   get /users/1/transactions/1
45   get /users/1/transactions/1/edit
46   put /users/1/transactions/1
47   delete /users/1/transactions/1
48
49   get /transactions
50
51
52   get /users/1/transactions/1/pay
```

Line 52, Column 39

# Restful Routes

When you were building your user controller, did you, at any point, wonder how you should name your URL? Well, I did! When I built my first app, I wasn't aware that a convention was already in place. I thought I was pretty cool to come out with my own names, such as "show-user-profile", "delete-user", "show-all-users", after all, it was pretty easy to understand and read. But when I realised that I will have to keep thinking of fancy names every time I build an app, I realised it wasn't that fun after all.

Fortunately, I learnt about REST, and everything changed after that. REST, or Representational State Transfer, is a mapping between a HTTP verb (GET, POST, PUT, DELETE) and a CRUD action (create, read, update, delete). It provides a consistent pattern for naming URLs and does make the life of a developer much easier! For this reading challenge, we would like you to read through [this](#) and [this](#), and take note of the following:

- 1 What are the common HTTP verbs?
- 2 What are the corresponding CRUD actions of these verbs?
- 3 What is a REST resource?
- 4 How does a REST URL look like?
- 5 What does a RESTful route depend on?
- 6 What is the key to REST?
- 7 What is a nested resource?

Once you are more comfortable with RESTful routes, for the user model you have built, fill in the appropriate HTTP verb, path and the purpose of the action in the following table:

HTTP Verb	Path	CRUD Action	Purpose
GET	/users/index	#index	
		#new	
		#create	
		#show	
		#edit	
		#update	
		#destroy	

Once you are done, continue working on the Quora clone. Don't forget to jot down what you have learnt in your notes.