* “Don’t learn how to code; learn how to make things.”
* Rails = framework (server side web framework) that helps organize files in a particular way (in this case, web development)
  + Rails is written in Ruby
* MVC = underlying pattern of rails
  + Server-side
* We’re going to learn how to make a new project and generate something
* MVC steps
  + Step 1: In browser, user types address that makes a HTTP get request to server (to “get” the application)
  + Step 2: We go to Routes.rb file
    - Routes.rb = has no folders (it’s just a string, not a series of folders)
    - We look for a match between the given route and the defined routes
      * Routes matches path with an action (find match, look for associated action)
      * Path => action
      * Example (Twitter): :username =. Show
  + Step 3: Go to model
    - Model = resources/objects to tell computer what things are (for example, model can be told what a student is and what attributes go along with a student)
  + Step 4: Talk to database to save information
    - Language of database = sequel
    - Database has templates (looks like Excel spreadsheet)
      * Using student example:
        + Rows = specific student
        + Columns = attributes
* Sass-lang.com (Ruby-powered CSS)
* Haml.info (Ruby-powered HTML)
* Building a rails applications
  + Check rails version: rails -v
  + cd Documents
  + cd digwes
  + rails new nameofproject
    - rails new demo\_app
  + cd demo\_app (open folder)
    - Should see gems/apps pop up
  + Drag entire file to sublime
  + If you want to install new gems: bundle install
    - Can just input name of the bundle you want to use
    - Rubygems.org
  + Port number: local port 3000
  + rails server
    - localhost:3000 (type into server)
  + Initialize git repository
    - git init
    - git add . (this adds all files from parent demo\_app folder)
      * git status tells you what files added
    - git commit –m “initialize rails application”
      * Put whatever message you want
  + Make a remote
    - Create new repository
    - Don’t initialize it with anything!
    - git remote add origin <https://github.com/lkherman/demo_app.git>
      * Type “git remote” and git will list out the names of your remotes
      * Can name “origin” whatever you want
    - Git pull first
      * git pull origin master
    - Then push
      * git push origin master
    - bundle install (because we changed one of the gems for Haruku)
    - Restart server in Ruby tab:
      * Control+c
      * rails s
    - Rails code (make sure that you’re in the demo\_app folder):
      * rails generate scaffold SourPatch name: string number: integer mood: string
    - Run migration that’s in db 🡪 migrate 🡪 weird numbers
    - In normal terminal: rake db:migrate
    - rails s

rake routes

Go to localhost:3000/sour\_patches/new