

Unit 15 Assignment

Question 33:

Yukihiro Matsumoto, the creator of Ruby, has said "Ruby is designed to make programmers happy". Given what you have learned in this class, describe a feature of Ruby or Rails that made you feel happy.

Please prepare a short answer in a text area provided here -- a couple of paragraphs is enough.

Question 34:

Using Rails code-generation commands, Rake and Rails Console, please build a web application that defines the following database model:

PLANE table

PLANE_ID	MANUFACTURER	MODEL	SEATS
01	Boeing	747-100	400
02	Boeing	737-300	128
03	Airbus	A330	350
04	Airbus	A321	135
Primary Key	Varchar	Varchar	Integer

PLANEFLIGHT table

PLANEFLIGHT_ID	PLANE_ID	AIRLINE	NUMBER	FROMCITY	TOCITY
100	01	United	101	Los Angeles	Tokyo
101	02	Southwest	3085	Seattle	Boston
102	03	American	31	Hong Kong	London
103	04	Alaska	760	Burbank	Seattle
Primary Key	Foreign Key	Varchar	Integer	<u>Varchar</u>	<u>Varchar</u>

Create scaffolding for this application. Carefully create all of the seed data shown above so that the command: `rake db:reset db:seed` will recreate all the data shown. Build fixture data that matches what was seeded into the database so that the command: `rake test:models` will run tests that ensure:

1. All planes hold more than 100 seats, and
2. Each planeflight defines different FromCity and ToCity values (so that a flight actually winds up flying somewhere...)

Please create a text file with the commands you entered to accomplish this task. Name this text file "CommandsIssued.txt". Upload this command list along with the webapp into the Final Exam File Upload Area.