Senior Design CS-4910

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**Maintenance Report**

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**Summary**

This report covers how the C’s Perfect Tie Sales’s website will be maintained over time. The proper Ruby on Rails maintenance pages used to maintain it.

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**Introduction**

With maintaining the sales website, Ruby on Rails will need to be maintained and updated to current versions to fix bugs.

This report will cover how the Ruby on Rails is maintained and updated.

**Maintenance Pages**

The Turnout gem is the key in this regard to adding a maintenance page. This blocks access to all routes at the same time and to the database. Turnout provides: easy installation, simple rake commands to turn on and off, allows certain paths to be accessible during maintenance.

Steps: The steps are simple. First in the gemfile add “gem “turnout”” then run bundle install. To activate enter rake maintenance: start reason”reason for maintenance”. To deactivate, rake maintenance:end.

**Maintenance Policy**

Ruby on rails maintenance policy is divided into four subgroups: New features, fixing bugs, security issues, and security issues. The groups are handled in the X.Y.Z fashion. X new features with API changes for important times. Y, new features with possible api changes. Z, only bug fixes and no new features.

New features may only be added to the master branch and will not be made available in patch releases.

Bug fixes are only done in the latest release series. When enough bugs are fixed and is deemed worthy to release a new gem, this is the branch it will happen from.

**Maintenance Mode**

After running tornout to enter the maintenance mode you are able to change what the maintenance page says. The public/maintenance.html page allows you to change this. The maintenance.yml also allows you to change who can access the maintenance page. Allowing certain IP addresses with allowed\_ips.

**Conclusion**

This report covered how to enter the maintenance mode for Ruby on rails and goes over Ruby on rails updating policies.

**References**

Ruby on rails maintenance policy

<http://rubyonrails.org/maintenance/>

Ruby on rails maintenance modes

<https://codenoble.com/blog/simple-rails-maintenance-mode/>

<http://www.webascender.com/Blog/ID/722/Using-Friendly-Maintenance-Pages-with-Ruby-on-Rails>