### Methods, Tools, Techniques:

* Application to be hosted on Heroku
  + Deployed to Heroku directly from Github repository; changes pushed with each commit to the master branch
* Database to be hosted hosted on Heroku with Postgres
  + Heroku dyno storage is ephemeral; need a permanent hosting solution for data
* Ruby on Rails implementation
  + Model-View-Controller framework
  + Provides default structures for web service, database, web pages
  + Very good support and documentation on Heroku page, as well as third parties

### Software Documentation:

* Methods to be documented, javadocs-style
  + Generated from code whenever methods are added/changed
  + Devs able to keep track of others’ components and adjust use/implementation of interfaces and calls between sections of code
* Github
  + Useful commit messages to keep track of what changes are pushed
  + Separate components developed in different branches
* A help page to be developed alongside the rest of the UI/web pages
  + Will document the site for end-users
  + Will describe basic functionality, and special cases which might require more instructions (if such scenarios arise)

### Project Support:

* QA
  + Testing of code and functionality throughout development process
  + Code reviews
* Configuration Management
  + Version control through Github
  + Stable releases marked as such and developed separately
    - Support for previous versions can be provided if necessary
* Verification and Validation
  + Working demos periodically shown to the client to ensure correct implementation of requirements
  + As requirements are changed/clarified, changes will be documented and confirmed with the client