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| --- | --- |
| Coding Based resources | |
| URL | Comment |
| http://stackoverflow.com/questions/5649722/how-to-call-servlet-through-a-jsp-page | Dependency injection from a servlet to a jsp |
| http://stackoverflow.com/questions/5003142/show-jdbc-resultset-in-html-table-in-jsp-page-using-mvc-pattern | Dependency injection end to end from jsp to mysql and back |
| http://www.r-bloggers.com/mysql-and-r/ | R and mysql example |
| http://www.codeproject.com/Articles/989407/View-GitHub-Commits-and-Issues | Example basic JS only github webapp |
| http://blog.teamtreehouse.com/code-a-simple-github-api-webapp-using-jquery-ajax | Another github example webapp |
| https://developer.github.com/v3/#rate-limiting | Github api link |
| http://www.mysamplecode.com/2012/04/jquery-ajax-request-response-java.html | Generic web app ajax example |
| http://stackoverflow.com/questions/14420076/github-v3-api-get-full-commit-list-for-large-comparison | Accessing different commit set example github |
| https://developer.github.com/guides/traversing-with-pagination/ | Traversing api data examples |
| http://stackoverflow.com/questions/27931139/how-to-use-github-v3-api-to-get-commit-count-for-a-repo | Commit total example |
| http://stackoverflow.com/questions/3541077/design-patterns-web-based-applications | Great example of webapp pattern design |
| 1. Configure --- associate with sonar (must be maven) 2. Maven --- update project 3. Right click on project , sonar – run analysis 4. To remove sonar qube suggestions, right click --- sonar --- remove | Using sonar plugin |
| http://www.coreservlets.com/Apache-Tomcat-Tutorial/tomcat-7-with-eclipse.html#undefined | Set up tomcat with eclipse |
| http://stackoverflow.com/questions/25112141/finding-the-oldest-commit-in-a-github-repository-via-the-api | Get oldest commit |
| http://blog.notfoss.com/posts/get-total-number-of-commits-for-a-repository-using-the-github-api/ | Get total commits |
| http://stackoverflow.com/questions/9888920/how-to-add-two-google-charts-on-the-one-page | Google charts stuff |
| https://github.com/jquery/jquery/graphs/contributors?from=2013-04-22&to=2015-09-26&type=a | Possible way to organize visualize data (contributions) |
| http://stackoverflow.com/questions/17727137/passing-variable-from-jsp-to-javascript | Pass value from jsp to JS |
| <https://danielniko.wordpress.com/2012/04/17/simple-crud-using-jsp-servlet-and-mysql/> | Crud example |
| https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_Objects/Date/parse | Might be useful for date parsing |
| http://stackoverflow.com/questions/847185/convert-a-unix-timestamp-to-time-in-javascript | Unix time stamp to date |
| http://docs.mongodb.org/manual/tutorial/install-mongodb-on-windows/ | Mongo install steps |
|  |  |
| Research References | |
| URL | Comment |
| http://research.cs.queensu.ca/home/ahmed/home/teaching/CISC880/F14/papers/MiningGitHub\_MSR2014.pdf | … |
| http://www.researchgate.net/profile/Kelly\_Blincoe/publication/263847951\_Understanding\_Watchers\_on\_GitHub/links/545d75530cf27487b44d4f95.pdf | Good information in watchers in github (in general, not over time) |
| https://hal.inria.fr/hal-01085400/document | … |
| https://speakerdeck.com/gousiosg/mining-github-for-fun-and-profit | Maybe useful |
| http://arxiv.org/pdf/1507.00604.pdf | Pretty relevant |
| http://www.researchgate.net/profile/Panos\_Vassiliadis/publication/262065573\_Open-Source\_Databases\_Within\_Outside\_or\_Beyond\_Lehman's\_Laws\_of\_Software\_Evolution/links/0f3175368d71ded070000000.pdf | Lehmans laws paper  x |
| TODO | |
| Task | Importance (1-5) |
| Admin rights (view activity log etc) | 2 |
| Add a growth rate metric  http://www.wikihow.com/Calculate-Growth-Rate | 3 |
| Ability to export/download repo data | 1 |
|  |  |
| Implement project health (look into NN classification) | 3 |
| Read papers collected in more detail – analyze | 3 |
| Add view account functionality (user stats etc) | 2 |
| As well as commits over time, get mean commits per year, give tab option to update table | 1 |
| Think of other tabs for the commit data – author dictionary? Increment each time same author commits |  |
| Points of consideration | |
| Area to consider | outcome |
| <https://api.github.com/repos/jquery/jquery/stats/contributors?page=3>  data is not presented in a chronological order  commitsA1, commitsA1, n - Author 1 details  commitsA2, commitsA2, n - Author 2 details  Every time author’s changes maybe start again?  Each author starts at same date (+)  Weeks overlap months, So cant be used for a monthly view  Maybe just make it commits over time?  <https://api.github.com/repos/jquery/jquery/stats/commit_activity>  does not allow traversal (only one year)  https://api.github.com/repos/jquery/jquery/stats/code\_frequency | Planned to use this to speed up commit data per month.  does not get al contributors  NO too limited  Goods all deletion and additions  YES |
| Look into lehmans law in relation to evolution of software  https://en.wikipedia.org/wiki/Lehman%27s\_laws\_of\_software\_evolution |  |
| http://flosshub.org/sites/flosshub.org/files/9913-25310-1-PB.pdf | Should reference useful papers |
| Should I clone repo using jgit to work off commit data better? Off line process |  |
| https://www.githubarchive.org/ | Might be useful |