

Software Engineering Project - CSC 510-001 (Fall 2024)

Project 2

Students: [Aditya Singh](#), [Bahare Riahi](#), and [Monish Erode Sridhar](#) (Group 85)
Software Engineering course CSC 510-001 North Carolina State University.

Repository:

<https://github.com/BetaPack/MovieRecommender.git>

Total Score = 249

| Notes | Score | Evidence |
|--|-------|---|
| Workload is spread over the whole team (one team member is often Xtimes more productive than the others... | 3 | https://github.com/BetaPack/MovieRecommender/branches |
| but nevertheless, here is a track record that everyone is contributing a lot) | 3 | https://github.com/BetaPack/MovieRecommender/branches |
| Number of commits = 21 | 3 | https://github.com/BetaPack/MovieRecommender/branches |
| Number of commits: by different people | 2 | Monish Erode Sridhar = 6 Aditya Singh= 11 Bahare Riahi = 4 |
| Issues reports: there are many | 2 | https://github.com/BetaPack/MovieRecommender/issues?q=is%3Aissue+is%3Aclosed |
| Issues are being closed | 3 | https://github.com/BetaPack/MovieRecommender/issues?q=is%3Aissue+is%3Aclosed |
| Docs: doco generated, format not ugly | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/README.md |
| Docs: what: point descriptions of each class/function (in isolation) | 0 | |
| Docs: how: for common use cases X,Y,Z | 2 | https://drive.google.com/file/d/ |

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| mini-tutorials showing worked examples on how to do X,Y,Z | | 1zbt6i2NxqTW6gxD-30KBEZ OrFPS1fA8a/view?usp=drive_l ink |
| Docs: why: docs tell a story, motivate the whole thing, deliver a punchline that makes you want to rush out and use the thing | 2 | |
| Docs: short video, animated, hosted on your repo. That convinces people why they want to work on your code. | 3 | |
| Use of version control tools | 3 | |
| Test cases exist | 2 | |
| Test cases are routinely executed | 3 | https://github.com/BetaPack/MovieRecommender/actions |
| Issues are discussed before they are closed | 2 | https://drive.google.com/drive/folders/1RrFv1lmeBW3Ps13vwfis2xUeCzM-PyrZ?usp=sharing |
| Chat channel: exists | 3 | https://drive.google.com/drive/folders/1cPTIVgbfaSHBf7vGdVxPj8Cg5r_pNCBO?usp=sharing |
| Test cases: a large proportion of the issues related to handling failing cases. | 3 | |
| Evidence that the whole team is using the same tools: everyone can get to all tools and files | 2 | Look at commit history |
| Evidence that the whole team is using the same tools (e.g. config files in the repo, updated by lots of different people) | 3 | |
| Evidence that the whole team is using the same tools (e.g. tutor can ask anyone to share screen, they demonstrate the system running on their computer) | 3 | |
| Evidence that the members of the team are working across multiple places in the code base | 2 | Look at commit history |
| Short release cycles | 3 | |
| The file .gitignore lists what files should not be saved to the repo. See | 3 | https://github.com/BetaPack/MovieRecommender/blob/maste |

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| [examples](https://github.com/github/gitignore | | r/.gitignore |
| The file INSTALL.md lists how to install the code | 3 | https://raw.githubusercontent.com/MadhurDixit13/MovieRecommender/master/asset/execution.gif |
| The file LICENSE.md lists rules of usage for this repo | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/LICENSE.md |
| The file CODE-OF-CONDUCT.md lists rules of behavior for this repo; e.g. see example | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/CODE_OF_CONDUCT.md |
| The file CONTRIBUTING.md lists coding standards and lots of tips on how to extend the system without screwing things up; e.g. see example | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/CONTRIBUTING.md |
| The file README.md contains all the following | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/README.md |
| DOI badge: exists. To get a Digital Object Identifier, register the project at Zenodo . DOI badges look like this: | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/README.md?plain=1 |
| Badges showing your style checkers | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/README.md?plain=1 |
| Badges showing your code formatters. | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/README.md?plain=1 |
| Badges showing your syntax checkers. | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/README.md?plain=1 |
| Badges showing your code coverage tools | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/README.md?plain=1 |
| Badges showing any other Other automated analysis tools | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/README.md?plain=1 |
| Does your website and documentation provide a clear, high-level overview of your software? | 2 | |

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| Does your website and documentation clearly describe the type of user who should use your software? | 3 | |
| Do you publish case studies to show how your software has been used by yourself and others? | 0 | |
| Is the name of your project/software unique? | 3 | |
| Is your project/software name free from trademark violations? | 3 | |
| Is your software available as a package that can be deployed without building it? | 3 | |
| Is your software available for free? | 3 | |
| Is your source code publicly available to download, either as a downloadable bundle or via access to a source code repository? | 3 | |
| Is your software hosted in an established, third-party repository like GitHub (https://github.com), BitBucket (https://bitbucket.org), LaunchPad (https://launchpad.net) or SourceForge (https://sourceforge.net)? | 3 | |
| Is your documentation clearly available on your website or within your software? | 3 | |
| Does your documentation include a "quick start" guide, that provides a short overview of how to use your software with some basic examples of use? | 3 | |
| If you provide more extensive documentation, does this provide clear, step-by-step instructions on how to deploy and use your software? | 2 | |
| Do you provide a comprehensive guide to all your software's commands, functions and options? | 2 | |

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| Do you provide troubleshooting information that describes the symptoms and step-by-step solutions for problems and error messages? | 2 | |
| If your software can be used as a library, package or service by other software, do you provide comprehensive API documentation? | 0 | |
| Do you store your documentation under revision control with your source code? | 3 | |
| Do you publish your release history e.g. release data, version numbers, key features of each release etc. on your web site or in your documentation? | 1 | |
| Does your software describe how a user can get help with using your software? | 3 | all details in readme.md |
| Does your website and documentation describe what support, if any, you provide to users and developers? | 2 | all details in readme.md |
| Does your project have an e-mail address or forum that is solely for supporting users? | 2 | all details in readme.md |
| Are e-mails to your support e-mail address received by more than one person? | 2 | |
| Is your project's ticketing system publicly visible to your users, so they can view bug reports and feature requests? | 3 | https://github.com/BetaPack/MovieRecommender/issues |
| Is your software's architecture and design modular? | 3 | |
| Does your software use an accepted coding standard or convention? | 3 | |
| Does your software allow data to be imported and exported using open data formats? e.g. GIF, SVG, HTML, XML, tar, zip, CSV, JSON, NetCDF, or domain specific ones | 2 | |

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| Does your software allow communications using open communications protocols? [*] e.g. HTTP, FTP, XMPP, SOAP over HTTP, or domain-specific ones | 3 | |
| Is your software cross-platform compatible? [*] e.g. does it run under two or more of Windows, Unix/Linux and Mac OS X, or can be used from within two or more of Internet Explorer, Chrome, Firefox and Safari? | 3 | |
| Does your software adhere to appropriate accessibility conventions or standards? | 3 | |
| Does your documentation adhere to appropriate accessibility conventions or standards? | 3 | |
| Is your source code stored in a repository under revision control? | 3 | |
| Is each source code release a snapshot of the repository? | 2 | |
| Are releases tagged in the repository? [*] | 1 | |
| Is there a branch of the repository that is always stable? (i.e. tests always pass, code always builds successfully) | 3 | |
| Do you back-up your repository? [*] | 3 | |
| Do you provide publicly-available instructions for building your software from the source code? | 3 | |
| Can you build, or package, your software using an automated tool? [*] e.g. Make (https://www.gnu.org/software/make/), | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/setup.py |

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| ANT (http://ant.apache.org/), Maven (https://maven.apache.org/), CMake (https://cmake.org/), Python setuptools (https://pypi.python.org/pypi/setuptools), or R package tools (https://cran.r-project.org/doc/manuals/r-devel/R-exts.html) | | |
| Do you provide publicly-available instructions for deploying your software? | 3 | |
| Does your documentation list all third-party dependencies? | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/requirements.txt |
| Does your documentation list the version number for all third-party dependencies? | 3 | https://github.com/BetaPack/MovieRecommender/blob/master/requirements.txt |
| Does your software list the web address, and licences for all third-party dependencies and say whether the dependencies are mandatory or optional? | 2 | |
| Can you download dependencies using a dependency management tool or package manager? | 1 | |
| Do you have tests that can be run after your software has been built or deployed to show whether the build or deployment has been successful? | 3 | |
| Do you have an automated test suite for your software?* | 3 | https://github.com/BetaPack/MovieRecommender/actions |
| Do you have a framework to periodically (e.g. nightly) run your tests on the latest version of the source code? | 2 | |
| Do you use continuous integration, automatically running tests whenever changes are made to your source code? | 2 | |
| Are your test results publicly visible? | 3 | https://github.com/BetaPack/MovieRecommender/tree/master |

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| | | r/test |
| Are all manually-run tests documented?* | 1 | |
| Does your project have resources (e.g. blog, Twitter, RSS feed, Facebook page, wiki, mailing list) that are regularly updated with information about your software? | 1 | |
| Does your website state how many projects and users are associated with your project? | 3 | |
| Do you provide success stories on your website? | 0 | |
| Do you list your important partners and collaborators on your website? | 2 | |
| Do you list your project's publications on your website or link to a resource where these are available? | 0 | |
| Do you list third-party publications that refer to your software on your website or link to a resource where these are available? | 1 | |
| Can users subscribe to notifications to changes to your source code repository? | 3 | |
| If your software is developed as an open source project (and, not just a project developing open source software), do you have a governance model? | 2 | |
| Do you accept contributions (e.g. bug fixes, enhancements, documentation updates, tutorials) from people who are not part of your project? | 3 | |
| Do you have a contributions policy? | 3 | |
| Is your contributions' policy publicly available? | 3 | |
| Do contributors keep the copyright/IP of their contributions? | 3 | |

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| Does your website and documentation clearly state the copyright owners of your software and documentation? | 2 | |
| Does each of your source code files include a copyright statement? | 1 | |
| Does your website and documentation clearly state the licence of your software? | 3 | |
| Is your software released under an open source licence? | 3 | |
| Is your software released under an OSI-approved open-source licence? | 3 | |
| Does each of your source code files include a licence header? | 1 | |
| Do you have a recommended citation for your software? | 0 | |
| Does your website or documentation include a project roadmap (a list of project and development milestones for the next 3, 6 and 12 months)? | 2 | |
| Does your website or documentation describe how your project is funded, and the period over which funding is guaranteed? | 1 | |
| Do you make timely announcements of the deprecation of components, APIs, etc.? | 3 | |