



Executive Summary

Purpose

Bustr is a social location-based image sharing application. Users can take and save pictures that are linked with their location. Whoever visits that location next can see all those previous pictures, comment, and rate, or add their own.

Design

- Bustr's infrastructure follows the Model-View-Controller (MVC) architecture that clearly separates the program's logic from its user interface.
 - Bustr utilizes a thick Model layer, with the client exposed to none of the logic required to interact with the SQL database.
 - All methods have low complexity, so bugs will be easy to identify and fix.
 - Each module demonstrates high cohesion.
 - ProgramMetaData has low cohesion scores, but is acceptable because it stores and retrieves information only.
 - The server class also has fairly low cohesion, but this is because it interacts with the database and image data only.
 - A comprehensive set of unit tests verify that every part of Bustr's infrastructure works as expected.
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Conclusion

Image sharing is popular in social media, and Bustr applies that to specific locations as a sort of guest-book for the whole world. It makes a fun way to share your experiences with or leave messages for whoever comes there next.