

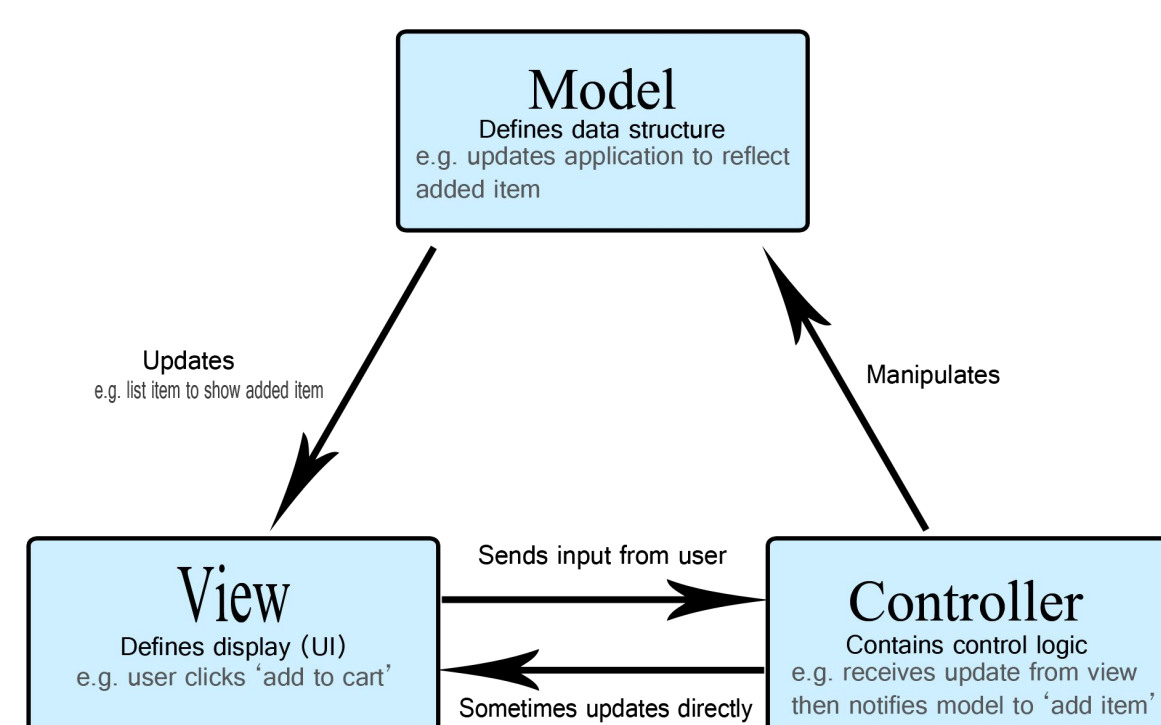
INTRO/ABSTRACT

The concept of Red Pepper IT developed from the lack of IT management tools that address every need of an IT department. Current available tools are either poorly designed or have a high licensing cost.

Red Pepper IT solves the need for such applications by building a free open-source application that can be deployed internally by any business seeking an all-inclusive management tool for its IT department.

METHODS

To develop Red Pepper IT, we followed MVC architecture to create our custom framework using composer as our package manager, PHP Router as the router, Twig as template engine, PHP dotenv to handle environment variables, Bcrypt to hash and salt passwords.



Model View Controller (MVC) architecture
[\[https://developer.mozilla.org/en-US/docs/Glossary/MVC\]](https://developer.mozilla.org/en-US/docs/Glossary/MVC)

RESULTS

Red Pepper IT is (now) a content management system to support future modules such as License tracking, asset tracking, ticketing system, etc. Red Pepper IT also comes with its own framework and open source license. Client can add more management services as needed.

Red Pepper IT provides small to medium sized IT teams with a free comprehensive solution to all their IT management needs.

