

## INTRODUCTION

The need for visualizing a source code in UML class diagram is one of the challenges which need to be a way to solve this problem and to let the developers and software engineers have the big idea beside working with source code and also to let the communication between developers stay strong to gain knowledge from each other.

This project is about to create a auto UML class diagram generator as well as a platform for software engineers to stay in touch with their fields.

## OBJECTIVE

To create a web application with the following features :

-  To create a auto UML class diagram generator for PHP language.
-  An online community for Software Engineers.
-  A rating system to rate different languages and frameworks.

## PROTOTYPE

Welcome to Dev Community

Community

Sign In/ Sign Up

Sign In

Email
Password
<input type="button" value="Sign In"/>

Sign Up

Email
Password
First Name
Last Name
<input type="button" value="Register"/>

Profile

Favorite Communities  
Java    Angular    CSS  
jQuery    PHP

Upload Source Code



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## METHODOLOGY

In the client side, I will make an interface for users interaction to allow users to upload their PHP source code and in server side, all the uploaded PHP source code will be analyzed to extract the information about all the classes and relationships among the classes and then there's a php library for generating UML image from the extracted information from the source code. The generated image of UML will be send back to the users and the users can see the UML image of their PHP source code.

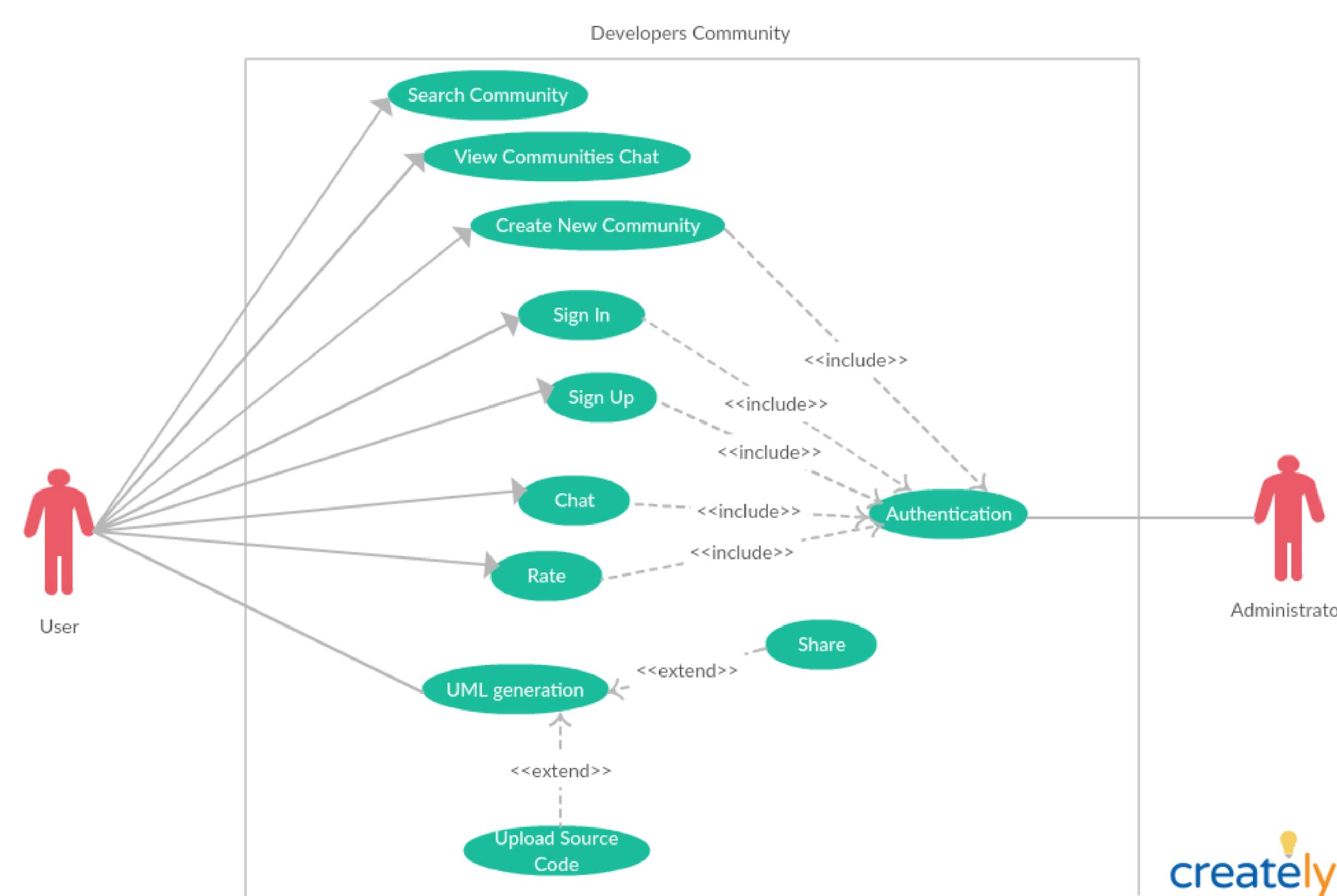
## TOOLS

- PHP
- HTML
- CSS
- Javascript
- W3css

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## Use Case Diagram



## Generated UML

