

# Stats Service Specification

## Infrastructure

.Net Web API (with use controllers)

Postgres DB

Wolverine Marten Event source DB

Service Bus - RabbitMQ

## Nuget Packages

Name	Version used
WolverineFx.Marten	4.9.3
WolverineFx.RabbitMQ	4.7.0

## Queries handled

**GetTrendingTags** - Gets a list of trending tags over the last 7 days returns **List of Tags**

**GetTopUsers** - Gets a list of the top users by reputation gain over last 7 days. Returns **Profile Summaries**

## Events consumed

**QuestionCreated** - When a question is created in the Question service

## API Endpoints

Method	Route	Purpose	Auth?	Returns
GET	/stats/top-users	Gets top users limited to 5	Anon	200 with <b>ProfileSummary</b>
GET	/stats/trending-tags	Get trending tags limited to 5	Anon	200 with TagSlugs

## Models

### TagDailyUsage.cs

Property Name	Property Type	Default Value	Remarks
Id	string		
Tag	string		
Date	DateOnly		
Count	int		

### UserDailyReputation.cs

Property Name	Property Type	Default Value	Remarks
Id	string		
UserId	string		
Date	DateOnly		
Delta	int		