**Software Engineering Tools Lab**

**Assignment 2**

**Batch: T2**

**Title of Experiment: Software Development Frameworks**

**Team Members:**

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**Ruby on Rails**

1. **Original author:**

* David Heinemeier Hansson

1. **Developers:**

* Gramercy Tech
* Made Tech

1. **Initial release:**

* August 2004

1. **Stable release:**

* 7.0.1/ 6 January 2022

1. **Preview release:**

* 30 June 2016

1. **Repository (with cloud support):**

* [**https://github.com/rails/rails**](https://github.com/rails/rails)

1. **Written in (Languages):**

* Ruby

1. **Operating System support:**

* Linux
* Microsoft Windows
* Mac OS X

1. **Platform, portability:**
2. **Available in (Total languages):**
3. **List of languages supported:**

* **Perl**
* **Lisp**
* **Smalltalk**
* **Eiffel**
* **Ada.**

1. **Type (Programming tool, integrated development environment etc.):**

* Ruby is an interpreted, high-level, general-purpose programming language which supports multiple programming paradigms.

1. **Website:**

* [**https://rubyonrails.org/**](https://rubyonrails.org/)

1. **Features:**

* Safe & Secure.
* Cost-Effective.
* Easy to Maintain.
* Improves Productivity.
* Full Stack Framework.
* Automated Tested.

1. **Size (in MB, GB etc.):**

* 57.8MB

1. **Privacy and Security:**

* Always check unauthorized access.
* Use authentication practices.
* Make it a point to filter passwords and other sensitive data logs.
* Use strong parameters to whitelist the values that can be used.
* Fix the number of throttling requests per minute.
* Use HTTPs for pages that deal with sensitive information.
* Use tools like a static analysis security vulnerability scanner for Rails applications.

1. **Type of software (Open source/License):**

* Ruby on Rails is an open-source software used to build web applications.

1. **If License- Provide details.:**

* MIT License-

[**https://en.wikipedia.org/wiki/MIT\_License**](https://en.wikipedia.org/wiki/MIT_License)

1. **Latest version:**

* [7.0.2.2](https://rubygems.org/gems/rails/versions/7.0.2.2) - February 11, 2022

1. **Cloud support (Yes/No):**

* Yes, Ruby on Rails support cloud.

1. **Applicability:**
2. **Drawbacks (if any):**

* Runtime Speed
* Boot Speed
* Lack of Flexibility
* Improper Documentation
* Huge cost for mistakes