# BIT246[:](https://webems.rmit.edu.vn/exchweb/bin/redir.asp?URL=http://blackboard.rmit.edu.vn/webapps/portal/tab/_1_1/%2520/webapps/portal/frameset.jsp?tab_id=_2_1%26url=%252fwebapps%252fblackboard%252fexecute%252flauncher%253ftype%253dCourse%2526id%253d_922_1%2526url%253d) Object Oriented RAD

# Assignment 3 – Video Presentation

# Investigation of a Topic related to Ruby Programming

**Due Date: Week 14 (Study Week)**

**Presentation Week: Week 14**

**Assignment Weightage: 20%**

**Total Possible Marks: 20**

**Specifications**

You will investigate one topic related to Ruby Programming which is **NOT COVERED** in class. Investigation a topic as an individual and present your findings/knowledge gained in a video to share your knowledge. There are two parts of this Assignment

1. **A PRESENTATION VIDEO** (based on a topic) of approximately 15 – 25 minutes. This presentation **MUST** incorporate content and coding examples which are clearly relate to and illustrate the topic under investigation. For example
   1. Excel file handling in Ruby
   2. HTML parsing via Ruby
   3. Multi-Threading
   4. Ruby Mixins
   5. Image layout in Ruby on Rails
   6. etc
2. **There should be at least one working code example related to your presentation video about the topic, which must be demonstrated.**

**Submission of Assignments:**

* Please note, **NO PRESENTATION VIDEO, NO MARKS**.
* The presentation video, codes and slides should be submitted on MOODLE.

A picture containing text

Description automatically generated

Under **NO** circumstances must you submit your assignment via email or to your teacher unless otherwise instructed.

Please ensure that all assignments are handed in by the due date and with the appropriate Assignment Cover Sheet. Assignments handed in past the due date may not be accepted or may incur penalty points.

Please ensure that you abide by Melbourne Polytechnic’s Rules and Regulations

**Submission of Late Assignments**

A penalty of 10% of marks received per day will be applied where assignments are submitted after the due date UNLESS a request in writing has been submitted by the due date together with relevant documentation including a medical certificate where appropriate.

**Academic and Professional Standards**

Plagiarism is the inclusion of another person’s work within your submission without acknowledgment or permission. While limited amounts of information and concepts expressed by others may be included as part of your work, each inclusion must be identified by appropriate referencing and acknowledgement to the original author. Plagiarism is regarded as a form of cheating, the penalties associated with misconduct are severe, and plagiarism may result in failure or variation of grade in the unit. For more information on the rights and responsibilities of students, grievance and appeal procedures see *NMIT/1R/11 Student Discipline*

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| --- | --- | --- | --- | --- | --- |
| All Assignments and feedback are provided via the Moodle site and in classes. | | | | | |
| Assignment Tasks: | **Due Date** | **SLOs** | **CLOs** | **Weight** | **Comments** |
| A1 Class Test – Two written Assignments of key concepts of object-oriented programming and design, including syntax and semantics of the programming language. | Week 4 - Test A  Week 10 - Test B | 1,2,3,4 | 1 | 20% | Individual |
| A2 Ruby Project – Suggested topic: Development and demonstration of an original advanced application system based on. Suggested topic  Submission 1 (5%) : Working with Files and Folders  Submission 2 (15%): Working with Files and folders by using Ruby gems  Submission 3 (15%): Working with Files and folders by using rails | Week 6 - Submission 1  Week 8 - Submission 2  Week 12 - Submission 3 | 1,2,3 | 1,3 | 35% | Individual |
| A3 Video Presentation – Suggested topci: A report and presenation to demonstrate an understanding of Ruby programming concept | **Week 14** | **4** | **3** | **20%** | **Individual** |
| A4 RoR Project – Suggested topic: Development and demonstration of a web-based application using MVC for multiple CRUDs for multiple models | Week 13 | 1,2,3 | 1,3 | 25% | Individual |

**Rubric for Assignment 3 (NO PRESENTATION VIDEO NO MARKS)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **None** | **Minimal** | **Reasonable** | **Good** | **Excellent** | |
| **Part A – Video of Ruby Topic** |  |  |  |  |  | |
| **Introduction and conclusion:** Introduction: introduce themselves or group; provided a brief overview of the presentation; Conclusion: a summary of use of ruby topic selected; thanked audience and/or asked for questions | 0 | 1 | 3 | 4 | 5 | |
| **Understanding of the Ruby Topic:** A clear explanation of their topic with a coding example to show their understanding of the topic | 0 | 4 | 12 | 16 | 20 | |
| **Demonstration of the Ruby Example:** Demonstration of the coded example to show the input and output of the example | 0 | 2 | 6 | 8 | 10 | |
| **Overall Oral & Visual presentation:** Well preparedPresenters spoke confidently; explained key concepts; referred to illustrated points in the slides; points & images were clear and easy to understand. | 0 | 2 | 6 | 8 | 10 | |
| **Part B – Code Example of Ruby Topic** |  |  |  |  |  | |
| **Code Content:** Well picked code examples which are highly related to your presentation | 0 | 2 | 6 | 8 | 10 | |
| **Code correctness:** no grammatically errors and properly commented. | 0 | 1 | 3 | 4 | 5 | |
| Total |  | out of 60 | | | |  |
| **Final mark** |  | out of 20 | | | |  |