COMSATS University Islamabad

**Topics in Software Engineering**

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**Course Title:** Topics in Software Engineering

**Section:** A

**Assessment:** Assignment 1

**Submitted To:** Mam Fatima Sabir

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**Campus:** Lahore Campus

**PART A**

1. **Deprecated technology or APIs:**

* Java.util.Date;

The above-mentioned java method is deprecated now that is used in the given Restaurant Management System. The new method is replaced by *Calendar.get(Calendar.DAY\_OF\_MONTH)*

* Firebase:

The given project is using firebase database since 2018. As this project is a Legacy Project, so due to this, Firebase has been updated many time during these four years. So many of the Firebase things is outdated now used in the project.

1. **Potential issues missing in docs but available in code:**

Attendance Activity is present in the code but missing in the documentation.

In code, they have used adapters in many places but in the documentation, I have not seen anything related to adapter so this is missing in the documentation but available in the code.

1. **Missing of technical documentation:**

After reading the documentation, everything is included in the document like Functional requirements, Non-Functional requirements etc. etc. Therefore, this is not applicable for the given project because according to me, everything is available in the documents. Nothing is missing.

**PART B**

1. **Create and view code issues directory from your editor:**

A

1. **Track and prioritize code improvements like technical debt:**

A

1. **Check your code quality:**

A

1. **Apply at least 3 PMD rules with the help of tool:**

A

1. **Generate the Abstract Syntax Tree of your source code using PMD:**

A

**PART C**

A