# Project Logistics

Dr. Rodrigo Spínola



TDresearchteam
Technical Debt Research Team

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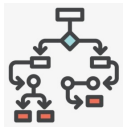
College of Engineering

# Deliverables

| | Due Date | Deliverables |
|---|---|---|
| 10pts | Pre-Dev Sep 19 | |
| 10pts | Pre-Dev Oct 8 | |
| 10pts | Sprint 1 Oct 31 | |
| 10pts | Sprint 2 Nov 14 | |
| 10pts | Sprint 3 Dec 3 | |



Software development process

Requirements specification

Test cases

Use case + classes diagrams

Software



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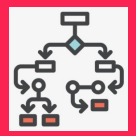
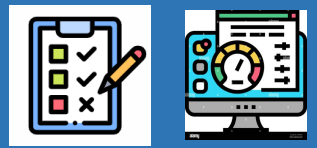
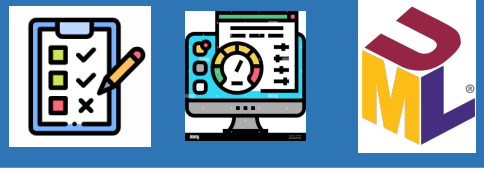
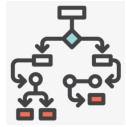
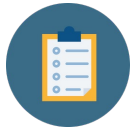
| Midterm | 10pts | Pre-Dev Sep 19 |  |
| Midterm | 10pts | Pre-Dev Oct 8 |  |
| Group Project | 10pts | Sprint 1 Oct 31 |  |
| Group Project | 10pts | Sprint 2 Nov 14 |  |
| Group Project | 10pts | Sprint 3 Dec 3 |  |


Software development process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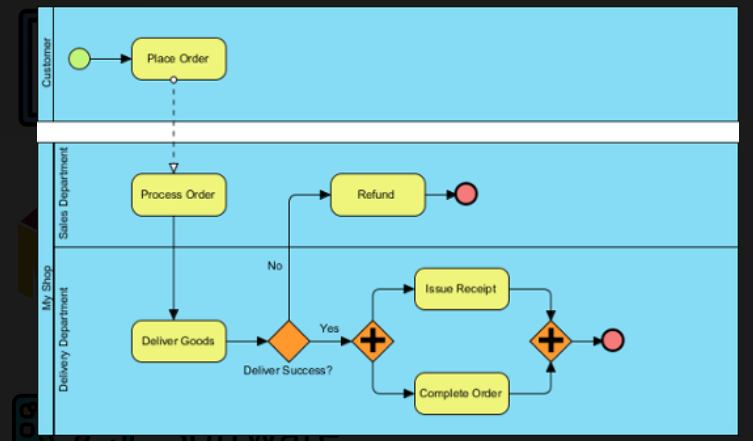
- **Tool:** Visual Paradigm (suggestion)
- **Submit** it on Canvas
- **Template:** .doc to be filled in
- **Deliverable:** PDF file containing the defined **process**



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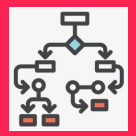
| 10pts | Pre-Dev Sep 19 |  |
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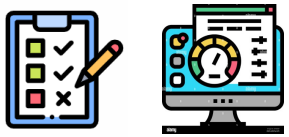
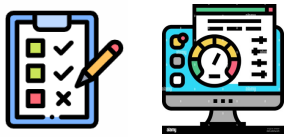
| 10pts | Sprint 1 Oct 31 |  |
| 10pts | Sprint 2 Nov 14 |  |
| 10pts | Sprint 3 Dec 3 |  |

- **Tool:** MS Word or Google Doc
- **Submit** it on Canvas
- **Template:** .doc to be filled in
- **Deliverable:** PDF file containing the defined **requirements**

| | |
|---|---|
| **Name:** | Maintain customer |
| **Description:** | The software allows the manager to carry out the maintenance (include, read, update, delete) of customers. |
| **Actor:** | Manager |
| **Entry condition:** | The actor selects the option Maintain Customer |
| **Basic path:** | 1. The system presents the customer registration screen containing: **[PRO01]**<br>- Name (editable)<br>- The options:<br>--- Search<br>--- New<br>--- Cancel<br>2. The actor selects the option New **[A01] [A02]**<br>3. The system presents a screen for entering the customer containing: **[PRO02]**<br>- Name (editable)<br>- SSN (editable)<br>- Address (editable)<br>- State (containing the list of the US states)<br>- The options:<br>--- Confirm<br>--- Back<br>4. The actor informs customer data and selects the Confirm option **[A03]**<br>5. The system verifies if the information is valid **[BR01] [BR02]** |

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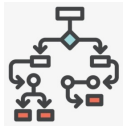
| 10pts | Pre-Dev | Sep 19 |  |
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| 10pts | Sprint 1 | Oct 31 |   |
| 10pts | Sprint 2 | Nov 14 |   |
| 10pts | Sprint 3 | Dec 3 |    |

**For 1 use case (requirement), each sprint:**

- **Tool:** MS Word (test planning) + VSCode (coding)
- **Test Planning Template:** .doc to be filled in
- **Deliverable:**
  - PDF file containing the defined **test cases**
  - **Source code**
  - **Record a short video (2min max) presenting the implemented functionality and running the tests.**
- **Submit** it on the Git repository



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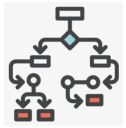
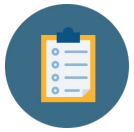
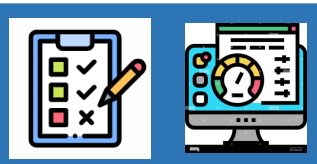
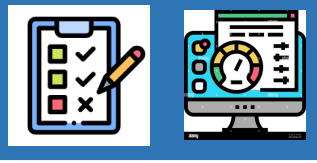
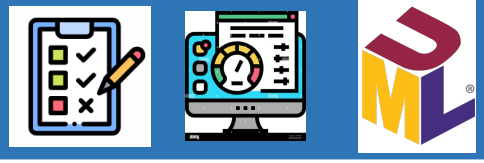
| 10pts | Pre-Dev | Sep 19 |  |
| 10pts | Pre-Dev | Oct 8 |  |
| 10pts | Sprint 1 | Oct 31 |  |
| 10pts | Sprint 2 | Nov 14 |  |
| 10pts | Sprint 3 | Dec 3 |  |

**For 1 use case (requirement):**

- **Tool:** MS Word (test planning) + VSCode (coding) + Visual Paradigm (UML diagrams)
- **Software Design Template:** .doc to be filled in with the UML diagrams
- **Deliverable:**
  - PDF file containing the defined **UML diagrams**
  - PDF file containing the defined **test cases**
  - **Source code**
  - **Record a short video (2min max) presenting the implemented functionality and running the tests.**
- **Submit** it on the Git repository

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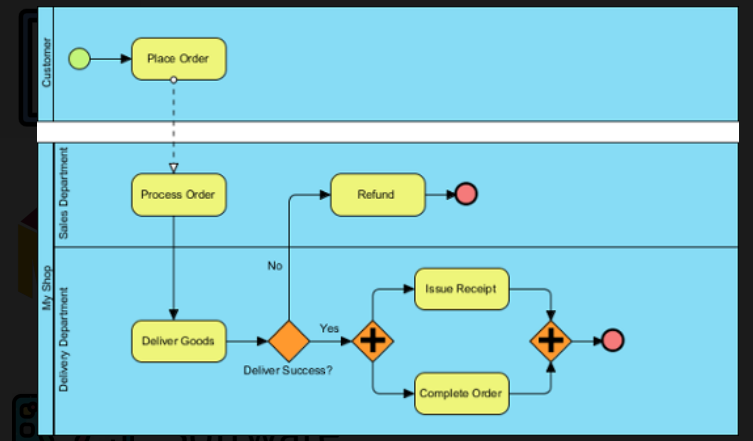
| 10pts | Pre-Dev | Sep 19 |
| 10pts | Pre-Dev | Oct 2 |
| 10pts | Sprint 1 | Nov 1 |
| 10pts | Sprint 2 | Nov 15 |
| 10pts | Sprint 3 | Dec 4 |

**More details on Aug 29**

- **Tool:** Visual Paradigm (suggestion)
- **Submit** it on Canvas
- **Template:** .doc to be filled in
- **Deliverable:** PDF file containing the defined **process**



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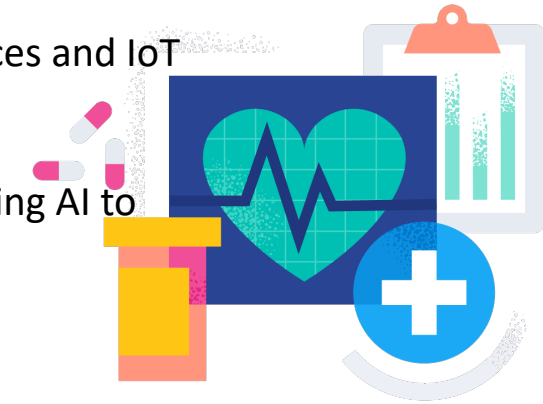
# Healthcare

**Please consider something for which you can clearly define the requirements, implement, and test within a few weeks. You'll only need to implement three requirements, but they must still be feasible!**

- Chronic Disease Management Platform: A system for tracking and managing chronic conditions like diabetes or hypertension, providing personalized treatment plans, medication reminders, and telemedicine integration.
- Mental Health Support App: An app providing mental health resources, virtual therapy sessions, mood tracking, and AI-driven personalized mental wellness plans.
- Medication Adherence System: A platform that reminds patients to take their medications, tracks adherence, and provides reports to healthcare providers, helping to prevent non-adherence complications.
- Remote Patient Monitoring System: Software that collects real-time health data from wearable devices and IoT sensors, monitoring vital signs and alerting healthcare providers to any anomalies.
- AI-Based Drug Interaction Checker: A tool that analyzes a patient's medications and supplements, using AI to detect potential drug interactions and alert both the patient and healthcare providers.
- ….



# Task of the Day (Deadline Aug 29)

Organize yourselves in **groups of 6 (no more, no less)**

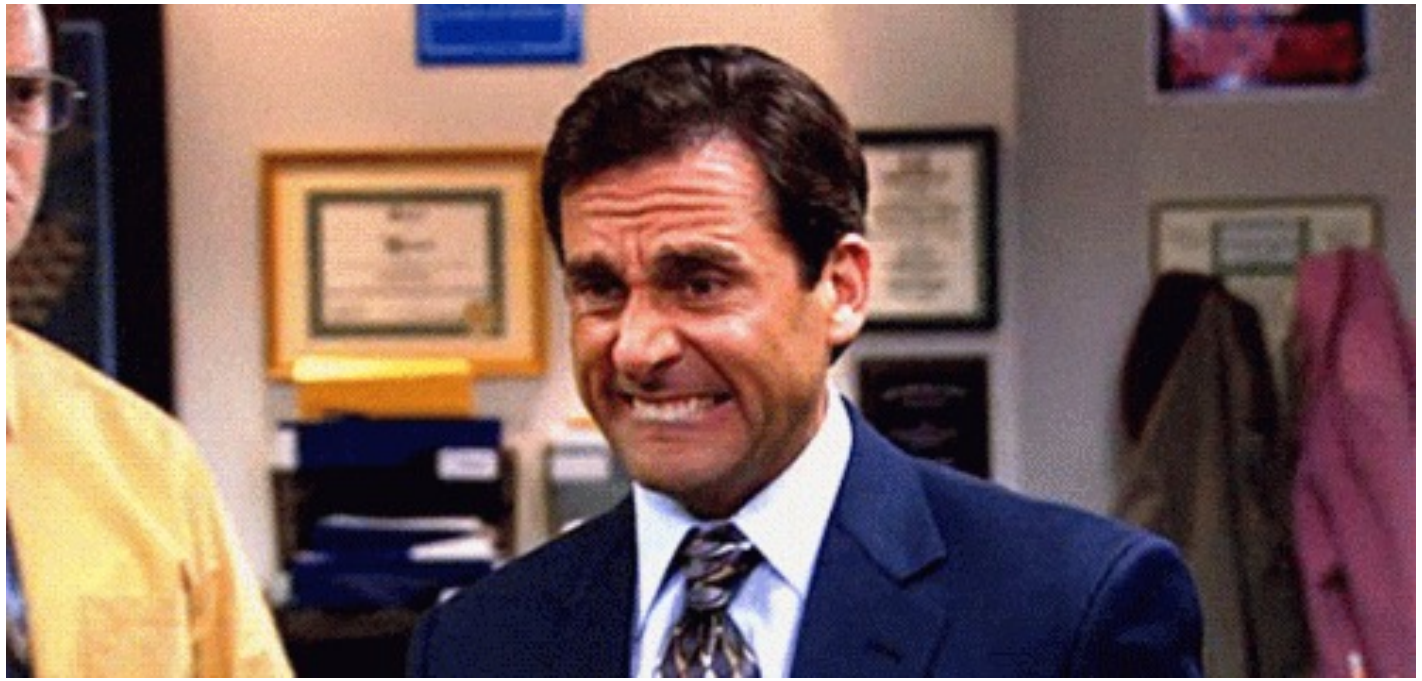
Define a **software project scenario (1 or 2 paragraphs)**

This scenario will be the theme of your project during the **whole semester**!

Fill in the **Project Information form** at

https://forms.gle/Hw2pkr9PvZBKpGeE9

# Groupmates



**No regrets!**


Questions?

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