SE 216 – SOFTWARE PROJECT MANAGEMENT
SOFTWARE MEASUREMENTS DOCUMENT

PROJECT NAME: DrivEco

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Questions to identify measurements:

- How close are we to reaching the targeted deadline?
- How much of our budget have we consumed?
- How much of our requirement list were we able to add to our project?
- How many of the set milestones have we reached?
- How many of the sprints we determined have we completed?
- How many of the components included in the application have been tested and approved?

Identified measurements:

Measurement: How close are we to reaching the targeted deadline?
Methodology: The time difference between actual and planned activities will be calculated to evaluate the achievement of the target deadline.

Measurement: How much of our budget have we consumed?
Methodology: The amount we spent including the software team since the beginning of the project.

Measurement: How much of our requirement list were we able to add to our project?
Methodology: The implementation status of the functional and non-functional requirements in our requirements list into our project.

Measurement: To what extent were we able to reach the determined milestones?
Methodology: How many of the predetermined milestones were passed without any problems.

Measurement: How many of the sprints we determined have we completed?
Methodology: The completion status of sprints will be determined by examining sprint deliveries.

Measurement: How many of the components included in the application have been tested and approved?
Methodology: The methodology used to determine the percentage of testing and approval of all components included in the application.

Measurement storage and collection:

What: The number of days remaining until the deadline.
When: From Now
Format: Time Duration
How: Finding the time remaining until the planned date for the project to be completed.

What: Finding the used portion of the amount initially set for the budget
When: From Now
Format: Amount of Money
How: The difference between the initially planned budget and the amount we have used for the project so far.

What: The status of implementation of the requirements determined for the project.
When: From now
Format: Amount of Percentage
How: By calculating how many of the listed requirements we have implemented each new week and proportioning them according to all requirements.

What: Achievement of milestones determined at the beginning of the project.
When: From Now
Format: Amount of Percentage
How: Milestones in the project are checked against key criteria established for each milestone and completion status is determined. Our progress is then tracked using project management tools such as Gantt charts or task boards.

What: The number of completed sprints.
When: Since the Beginning
Format: Amount of Percentage
How: Completed deliveries are reviewed against sprint objectives, and feedback is gathered for improvement. The completion status of the sprint is determined, and the completion percentage is calculated by comparing planned and completed sprints.

What: The percentage of tested and approved components relative to the whole.
When: Since the Beginning
Format: Amount of Percentage

How: Using a management tool like Trello, lists are created for "Untested Components," "Tested Components," and "Approved Components." The current status of each component is recorded in these lists. At regular intervals, the data from the lists is used to calculate the percentage of tested and approved components.

Measurement Type	Description	Example Measurements
Time Management	The measurement of our progress towards the final deadline by comparing planned activities with those actually completed.	Planned vs. Actual schedule
Budget Management	Tracking budget consumption by considering all expenses, including software team expenditures, from the beginning of the project.	The total amount of money spent overall.
Requirement Process	The percentage of functional and non-functional requirements from our requirement list that have been implemented in our project.	Requirements we aim to implement, implemented requirements
Quality Control	Finding the number of defects and perce	Number of defects identified , Percentage of defects resolved
Milestone Process	Finding the number of milestones that have been successfully completed without any issues.	Planned milestones , achieved milestones
Sprint Process	Finding the number of sprints successfully completed since the beginning of the project.	Planned Sprint amount, Sprints done successfully
Testing Process	The completion status of the testing and approval process for all components included in the application.	Number of targeted tests, number of tests performed, number of tests completed successfully