

SE 216 – SOFTWARE PROJECT MANAGEMENT
SOFTWARE PROCESS MODEL DOCUMENT

PROJECT NAME: SeatTracker

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#	NECESSARY NEEDS FROM THE ORGANIZATIONAL PROCESS
#1	It is essential to prioritize the requirements that need to be developed first.
#2	Important functions should be easily accessible and delivered early to the customer.
#3	Developing the main system initially and incorporating minor modifications later would make it easier to resolve errors.
#4	It is necessary to obtain feedback from stakeholders.
#5	Changes can be made during the various phases of development.
#6	The project must be designed in a way that facilitates testing and debugging.
#7	It is important to be flexible and adaptable during the software development process.
#8	The hardware might cost more money depends on the features.
#	UNNECESSARY NEEDS FROM THE ORGANIZATIONAL PROCESS
#1	The team may be given some more time to discuss any issues that may exist.
#2	Maintenance support can be provided for hardware and software problems that occur after the project.
#3	The user interface should have flashy animations and graphics to make it look more impressive, even if they do not improve the user experience.
#4	Excessive Documentation.

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SOFTWARE PROCESS NAME: Incremental Model

SOFTWARE PROCESS DESCRIPTION:

The incremental model is a software development methodology that involves the iterative creation of software through multiple development cycles or increments. The software process description for the incremental model can be broken down into the following phases:

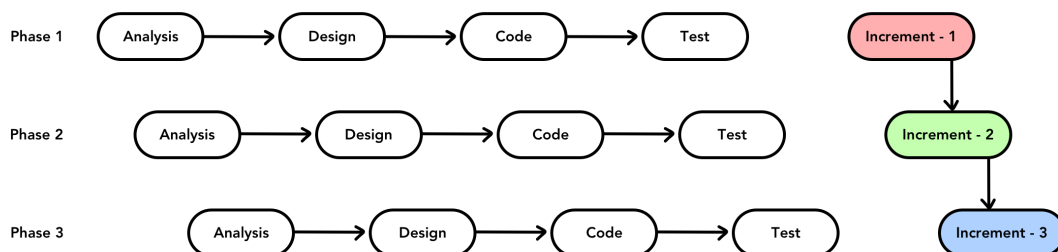
Analysis: The first step in the incremental model is to collect the system requirements and divide them into smaller, more manageable pieces that can be implemented incrementally.

Design: Next the design for the system should be created and the design process is also splitted into smaller pieces that can be implemented incrementally.

Code: Each increment is implemented and coded as a separate module. The code will be written for each increment and tested before being integrated with the rest of the system.

Testing: Testing is done at each increment to ensure that the increment meets the requirements and specifications then bugs and errors should be handled as they arise.

SOFTWARE PROCESS MODEL:



REASONS TO CHOOSE THIS MODEL:

The incremental model is the most appropriate process model we can use for developing our project. Our reasons:

1. Stakeholder involvement is important to us so we want to ensure that they can review the product and make changes accordingly in each phase.
2. We want to notice errors easily through several testing stages.
3. Making changes easily during implementation is one of our needs.
4. Our team members are not skilled enough so we will need to modify the system occasionally.
5. We need easy testing and debugging processes.