

Object Oriented Methodology

Week – 1, Lecture – 3
A Beginner's Example

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The Letter...

A letter has the following properties

- Sender's Name
- Receiver's Name
- Sender's Address
- Receiver's Address

For now, just focus on the PIN Code as Address

The Postal Service

A Letter needs to be posted through a “Postal Request”

- The Postal Department only sends “sealed” letters – so the letter must be sealed before sending
- On receiving a letter, the Postal Request needs to be tracked
- The two pieces of information stored about a request is the Sent Date and the Delivered Date

What could a Letter look like?

Letter has the following constituents

- Sender's Name
- Receiver's Name
- Sender's Address
- Receiver's Address

Plus, there should be a mechanism to “seal” it !!

What could a Postal Request look like?

A Postal Request has information about

- The letter to be sent
- The sent date
- The received date

Plus, there should be a mechanism to

- Send the letter
- Dispatch it to the receiver
- Prepare a report of the overall transaction

Structured vs OOM Approach

Let us now dive into the code and see how the two approaches solve the same problem !!

Homework !!

Revise the concepts related to *Make* files

- You can check out some examples from ITP
- This could be a starting point as well:
<https://www.cs.colby.edu/maxwell/courses/tutorials/maketutor/>