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# Software Testing

Efficient Algorithm for Recommendation of Data Visualization Tools

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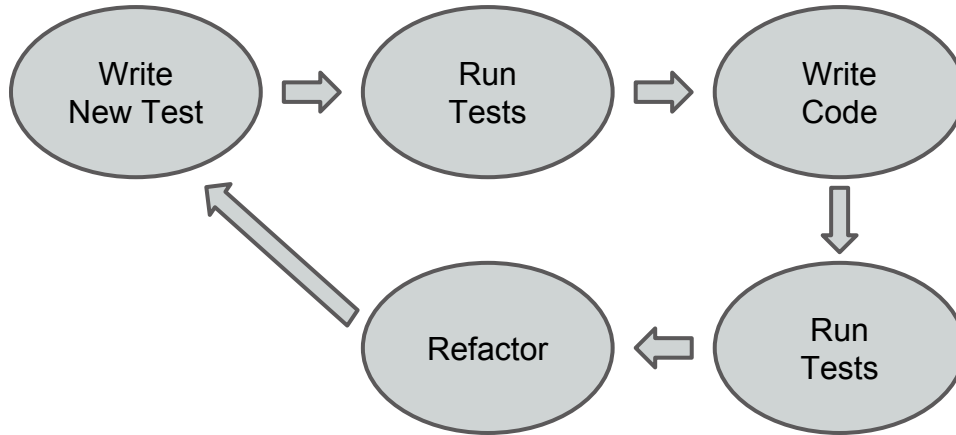
# Testing Strategy

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- Unit Testing
- Integration Testing
- Validation and Verification Testing
- System Testing

# Unit Testing

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Test functions and procedures of all units.

Some of the units:

- Data reader
- Properties reader
- Level of measurement calculator

JUnit

# Integration Testing

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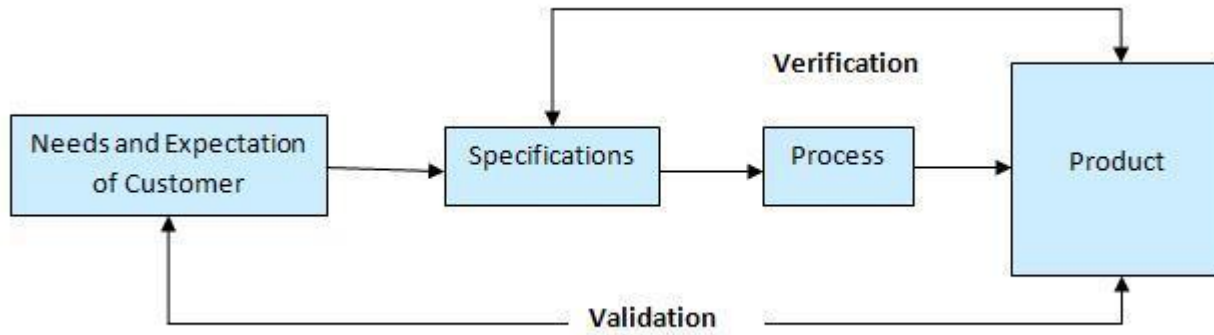
- Test the system modules as a group
- From model creation to graph suggestion through
  - Properties categorization
  - Level of measurement
  - Visualization patterns selection
  - Allocations computation and validation
  - Ranking

# Validation and Verification Testing

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**Verification:** Are we building the product right?

**Validation:** Are we building the right product?



# System Testing

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- Final test before delivery.
- Aims to verify that the system to be delivered meets the specification and its purpose.
- Focus on
  - Usability testing
  - Performance testing

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**Thank You**