Final Words

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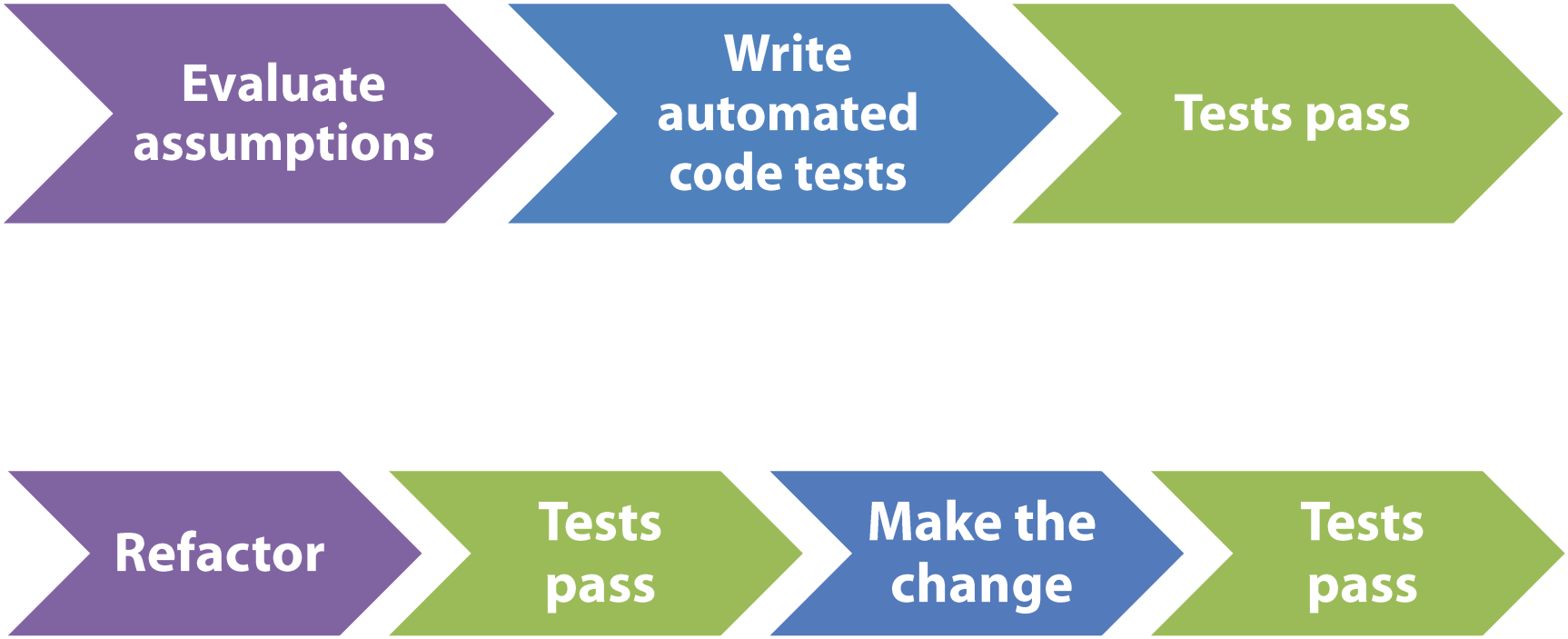
pluralsight
hardcore dev and IT training

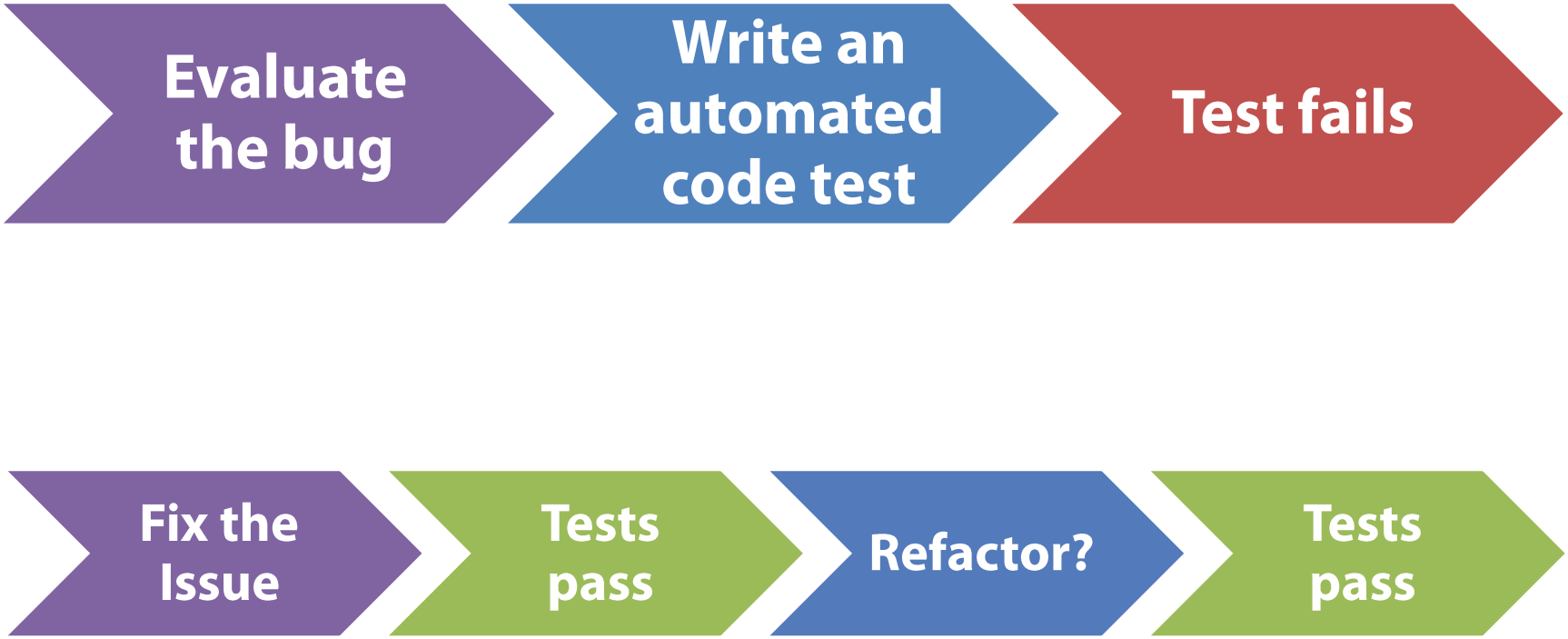
Legacy Code Is

- Code developed with older technologies
- Code inherited from an older version of the application
- Code inherited from someone else
- Code that is no longer under development, only patched
- Code that has an excessive amount of technical debt

Modifying Legacy Code



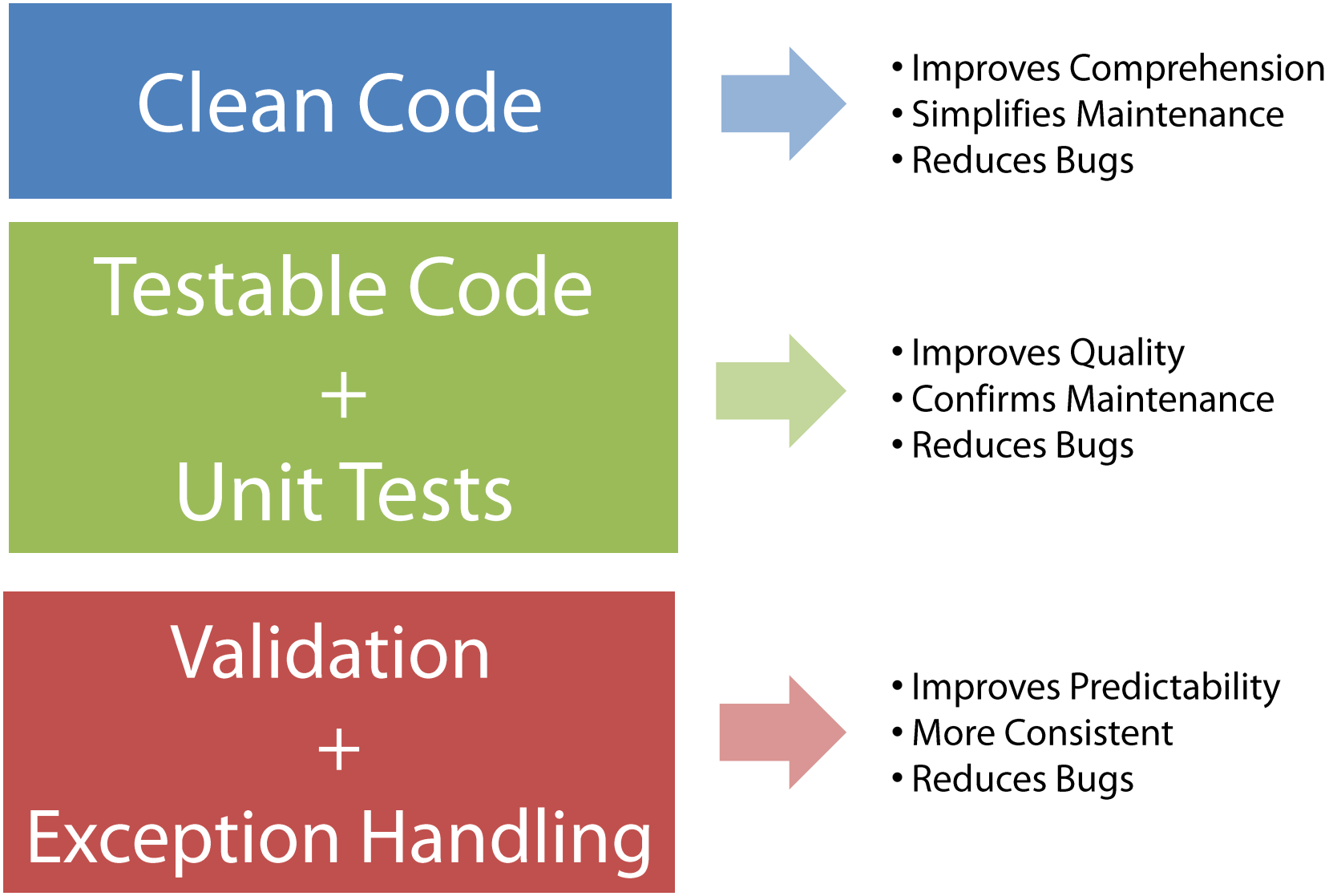
Fixing Bugs in Legacy Code



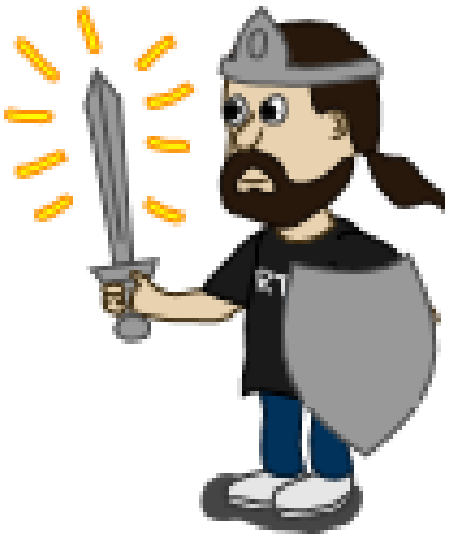
For More Information

- Clean Code: Writing Code for Humans
- Code Contracts
- Refactoring Fundamentals
- Understanding and Eliminating Technical Debt
- Mastering Visual Studio 2012 (Automated Code Testing Module)

Defensive Coding



Defensive Coding

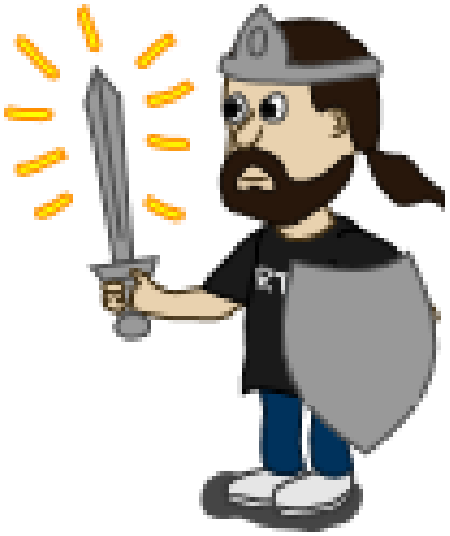


```
public void PlaceOrder(Customer customer,
                       Order order,
                       Payment payment,
                       bool allowSplitOrders,
                       bool emailReceipt)
{
    customerRepository.Add(customer);
    orderRepository.Add(order);
    inventoryRepository.OrderItems(order,
                                   allowSplitOrders);
    payment.ProcessPayment(payment);

    if (emailReceipt)
    {
      customer.ValidateEmail();
      customerRepository.Update();

      emailLibrary.SendEmail(customer.EmailAddress,
                             "Here is your receipt");
     }
}
```

Defensive Coding



```
public void PlaceOrder(Customer customer,
                       Order order,
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                       bool allowSplitOrders,
                       bool emailReceipt)
{
    cu to ner Re pos to v. dd cu ste me );
    or er Re pos to v. dd or ler );
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}
```