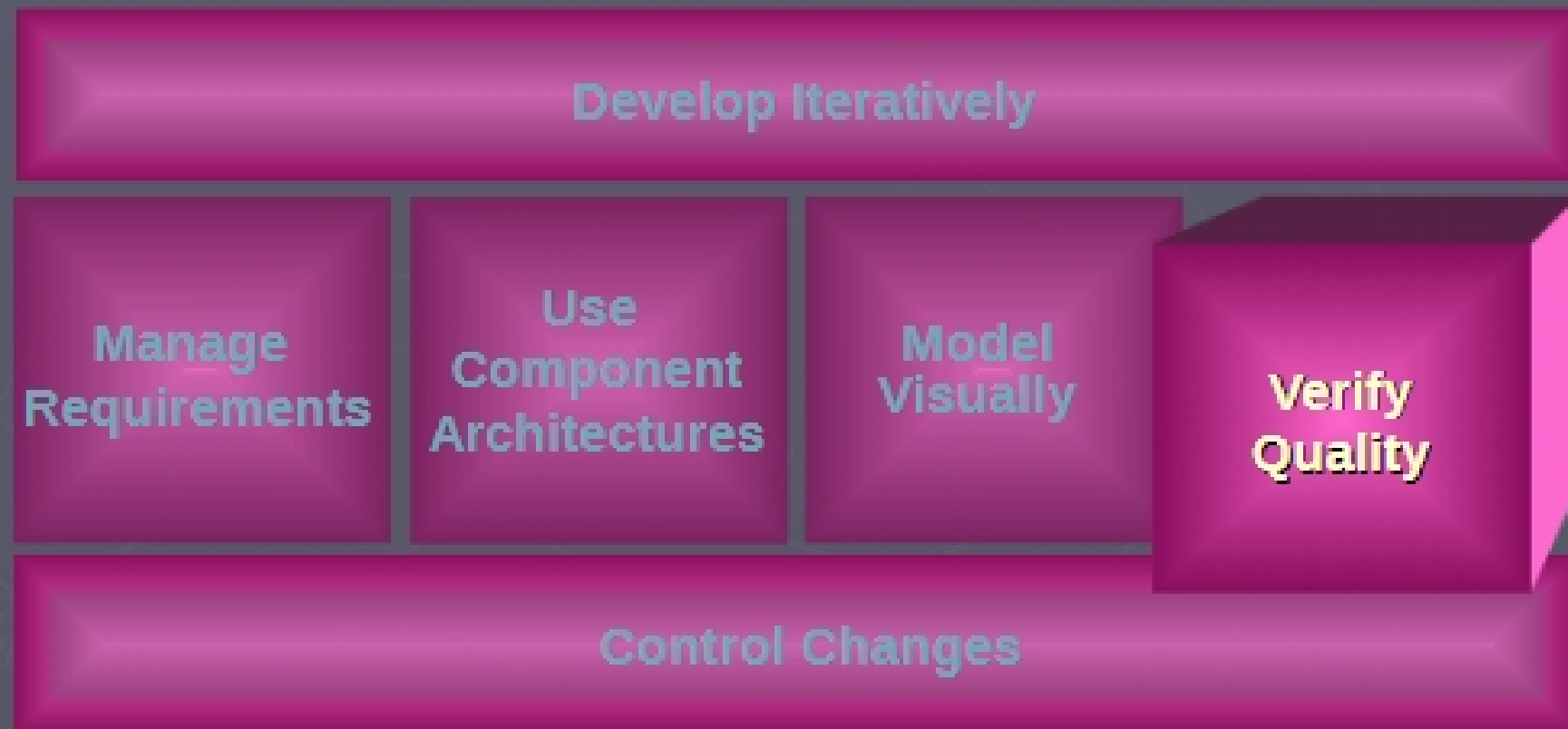


Continuing Best Practices

- ▶ *Slide information taken in large part from former Rational Corporation slides. Considerably modified and supplemented for classroom use.*

Practice 5: Verify Software Quality



Quality, as used within Unified Process, is defined as
“The characteristic of having demonstrated the achievement of producing a product which meets or exceeds agreed upon requirements as measured by an agreed upon measures and criteria *And* is produced by an agreed upon process.”

If done this way, the process can be repeated and managed ←

In most organizations, testing accounts for 30-50% of development costs! Yet most people believe software is not adequately tested when delivered.

Testing is difficult; complete testing is impossible; a good process and automated tools help!

Practice 5: Verify Software Quality

Software problems are 100 to 1000 times more costly to find and repair after deployment



One of the ways to improve quality: Test early and continuously!
Test functionality, reliability; performance; Test architectural decisions early.³