

# Regression Testing

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## Why, Oh Why (WOW)?

This is why:

- We need to verify that our previously developed software still behaves as correctly after new features were added to it or it was interfaced with other components.
- We also need to ensure that the new software does not have unexpected knock-on effects on the existing code base.

Generally, a regression test is required for a "Large Deployment" in a dedicated regression environment, and to only on successful testing to deploy it to the production environment. It is sufficient for small enhancements and fixes to progress from a test environment directly to a deployment to production.

## Skeleton Regression Test

**TODO:** Needs more coverage of existing functionality, and then actual test details and expected test outcomes.

## Approach to Regression Testing

- Not all these areas below need to be tested for every time, only those that are *potentially* impacted by the *new code*.
- It is sufficient to only perform the minimum amount of tests that adequately cover the functionality of the existing, potentially-impacted code-base.
- Existing unit tests are useful components in a regression test suite.

## Logging and Registration

### Log in

- Secure log in
- Password recovery

## Sef-Registration

- Subscription Selection
- User Approval
- User Rejection
- Sign-up notifications

## Innovation Management

### Innovation Listing

- Visible by the intended users only
- Searching
- Drilling down of innovation details
- PDF Creation of innovations

### Innovation Entry

- Innovator can enter innovation
- Innovator can edit innovation
- OPS can approve/reject submitted innovation entry
- Keyword Management

## Challenge

### Challenge Publication

- Display active challenges
- Display past challenges

### Challenge Entry

- Innovator can enter challenge
- Innovator can edit challenge (TO-BE)
- Entry can be rejected (TO-BE)
- OPS Entry reports
- Entry notifications

### Challenge Scoring

- Judge Assignments for Scoring
- Scoring process
- Scoring Results

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