InfoStride >>

RETHINK QUALITY

Infostride – Aspire

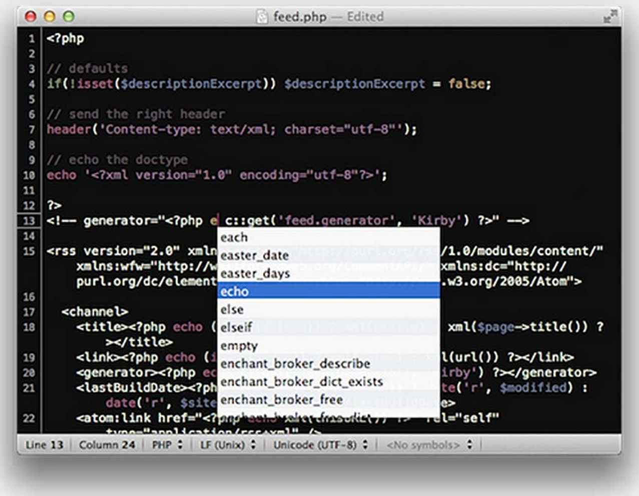
Testing an essential and integral part of all popular SDLC models like Agile, Waterfall methodologies. Most of the application will have the need of extensive Regression Testing because of either longer development cycle with multiple phases of development or the applications in need of maintenance forever.

Repeated Regression Testing is time and resource consuming task and it makes development cycles longer. This prompts the need of building efficiency in to testing cycle, which is achieved through test automation.

Why Aspire?

InfoStride Aspire framework provides a ready to implement test automation framework. Aspire helps Quality Engineers to quickly start the automation for a new project and focus more on developing test cases rather than spending lot of time in setting up the core framework. Aspire framework supports iOS and Automation platforms. Aspire is built to be very flexible and thus it can be used testing Native Apps or Web Apps or Hybrid Apps.

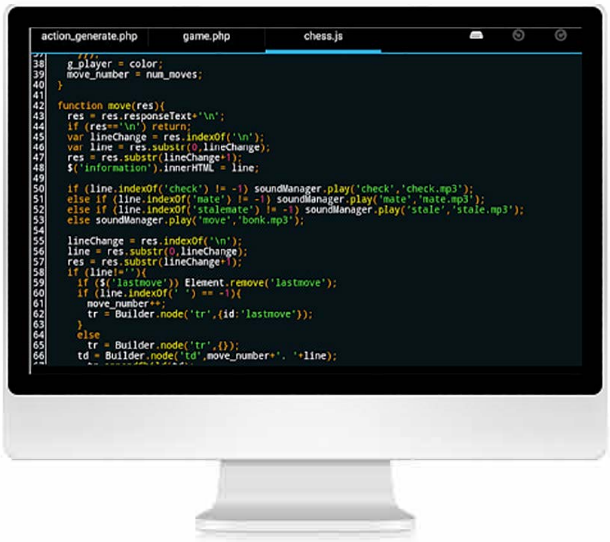
Aspire framework is designed following modular design pattern to achieve high degree of reusability and minimal maintenance. Aspire also provides additional utilities supporting Data Driven testing, Build and Integration Tools. Aspire provides very detailed reports for consuming by various stake holders in the project and also it provides open reporting data for any customizable report generation.



```
<?php

// defaults
if(!isset($descriptionExcerpt)) $descriptionExcerpt = false;

// send the right header
header('Content-type: text/xml; charset="utf-8"');

// echo the doctype
echo '<?xml version="1.0" encoding="utf-8"?>';

?>
<!-- generator="<?php e c::get('feed.generator', 'Kirby') ?>" -->

<rss version="2.0" xmln                         /1.0/modules/content/"
    xmlns:wfw="http://w                         xmlns:dc="http://
    purl.org/dc/element                         .w3.org/2005/Atom">

  <channel>
    <title><?php echo (                          xml($page->title()) ?
        ></title>
    <link><?php echo (i                          l(url()) ?></link>
    <generator><?php ec                          irby') ?></generator>
    <lastBuildDate><?ph                          te('r', $modified) :
        date('r', $site                          e>
    <atom:link href="<?php                          rel="self"
```

Aspire in working !!

Aspire Framework is built in multi tier model supporting to build multi tier Automation Systems for different applications. Aspire provides the core framework that provides the library, utilities for various interactions with application, logging, data loading. Aspire has easy plug and play hooks with 3rd party Build, Continuous Integration Systems like Maven, ANT, Jenkins etc.

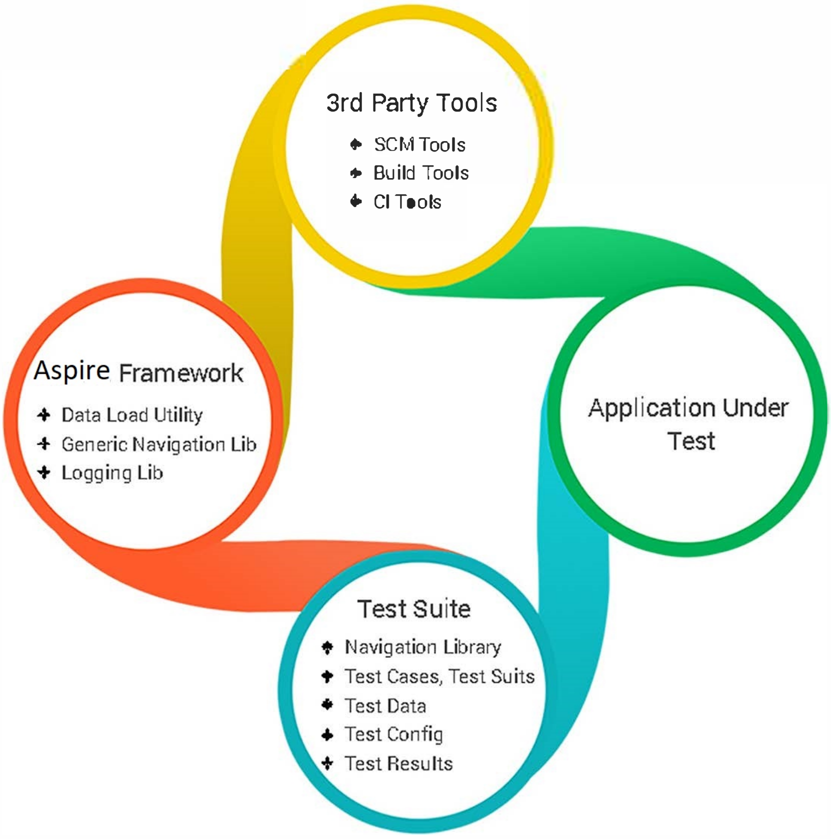


```
    g_player = color;
    move_number = num_moves;
  }

  function move(res){
    res = res.responseText+'\n';
    if (res=='\n') return;
    var lineChange = res.indexOf('\n');
    var line = res.substr(0,lineChange);
    res = res.substr(lineChange+1);
    $('information').innerHTML = line;

    if (line.indexOf('check') != -1) soundManager.play('check','check.mp3');
    else if (line.indexOf('mate') != -1) soundManager.play('mate','mate.mp3');
    else if (line.indexOf('stalemate') != -1) soundManager.play('stale','stale.mp3');
    else soundManager.play('move','bonk.mp3');

    lineChange = res.indexOf('\n');
    line = res.substr(0,lineChange);
    res = res.substr(lineChange+1);
    if (line!=''){
      if ($('lastmove')) Element.remove('lastmove');
      if (line.indexOf(' ') == -1){
        move_number++;
        tr = Builder.node('tr',{id:'lastmove'});
      }
      else
        tr = Builder.node('tr',{});
      td = Builder.node('td',move_number+'. '+line);
```

Aspire incorporates the concepts of functional decomposition, which simply means creating modular functions for executing fundamental actions that occur in the execution of the tests in a given test bed. These actions may then be called upon and executed independent of one another. This generation also more greatly separates test data from automation code, through greater use of parameterization.

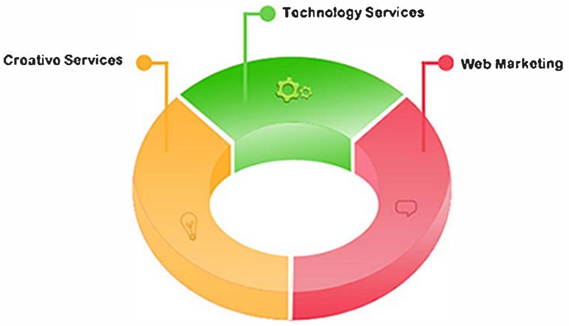
Aspire Framework strongly depends on functional decomposition, but evaluates the functions at a much higher level of abstraction, so that code may be reused by tests within the same application, and by tests in different applications. This is accomplished by separating test data and specific application functionality from automation code.

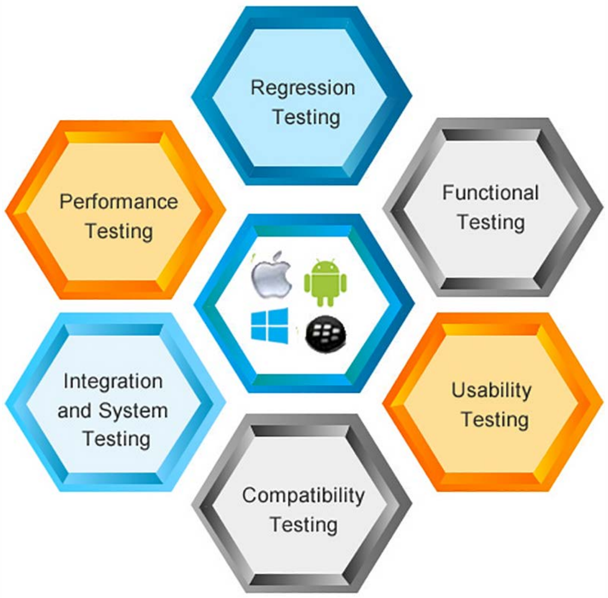
We are partners with HP and IBM



Technology behind Aspire

- Technology: Java, XML, CSV
- Tools: Appium, WebDriver, Selenium Grid
- Framework: Junit, TestNG
- Platforms: iOS and Android (Web, Mobile, Hybrid)





Aspire Benefits?

- Ready and Easy to implement
- Maintainability
- Portability
- Flexibility
- Robustness
- Scalability
- Reliability
- Easy Testcase development
- Built in Modular and Data Driven models for easy test implementation and maintenance
- Detailed JUnit Style Reporting
- Work with Real Devices, Emulators and Remote Devices

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