



RunSignup



© GiveSignup

® RunSignup

™ TicketSignup



Today's Agenda

- **Personal Introductions**
- **Introduction/History RSU|GSU** - Bob Bickel
- **Opportunities at RunSignup** - Bruce Kratz
- **Technology** - Benny Chen, Jeff Kohart, Justus Fee, Phil Quinn
 - **Architecture & Code**
 - **Continuous Integration Process**
- **Q&A**

```
</select>
<div class="error borderedError">{$error.f
</div>
```

```
{* Donations *}
{if $donationsEnabled}
  <div class="col-sm-4 formInput">
    <label class="major2">Include Donat
    <select name="includeDonations">
      <option value="T" {if $don
        Yes
      </option>
      <option value="F" {if $don
        No
      </option>
    </select>
  </div>
</if>
```

```
</div>
<div class="submitBackLinks">
  <button type="submit" class="rsuBtn rsuBtn--primary
```

138,6 +153,9 @@

```
<th>Contact Info</th>
<th>Other Personal Info</th>
<th>Payment Info</th>
{if $donationsIncluded == 'T'}
  <th>Donation Info</th>
{if}
<th>Offline Payment</th>
```

We Are Event Technology Experts

Our Mission

To make it **free and easy** for small businesses and nonprofits to generate more revenue, grow their events, and engage their attendees.

We create **free and easy-to-use** event software that you can fully control.

\$1.6B

We've helped
customers raise

26K+

Events using
our platform

| RunSignup at a Glance

- Started in 2010
- Endurance Events Focus
 - Free Full lifecycle solutions - websites, email, referral rewards, transactions and payments, donations, fundraising, race day tools
- Expanding Event Focus with Ticket Platform
 - Nonprofit Events like Gala, Golf, Festivals
 - Agritourism like Corn Maze, Halloween Haunts and Holiday Light Shows

Product
Releases per
Year

2,000

Endurance
Market Share

30%+

Annual
Transaction
Volume

\$310M

of Events
per Year

25,000

Annual Reg &
Tickets

7M

Downtime

2,000

0 Downtime
since 2015

**Primary Event
Products**

Registration

Tickets

**Market Specific
Products**

Results

Donations

Websites

RaceDay

P2P Fundraising

Email

Membership*

Core Services

Analytics

CheckIn

Domains

Payments

Photos

Referral

Reporting

Social

Sponsors

Volunteers

Store

Transactions

Infrastructure
Secure. Scalable.
Reliable.

PCI Compliant • Zero Downtime • Open API • 2k Releases/yr

Database



Example Websites

- [Tunnel to Towers Stair Climb](#)
- [Seattle Cherry Blossom Run](#)
- [Richmond SPCA Dog Jog](#) and [Greenville Humane Society](#)
- [Mulligans for Kids Golf Tournament](#) and [Fore-Unity Golf](#)
- [Scott Coffee Run](#)



Opportunities at RunSignup

 GiveSignup

 RunSignup

 TicketSignup



“Don’t judge a book by its cover”





What happens on top of
the hardware store?

The Art of Technology



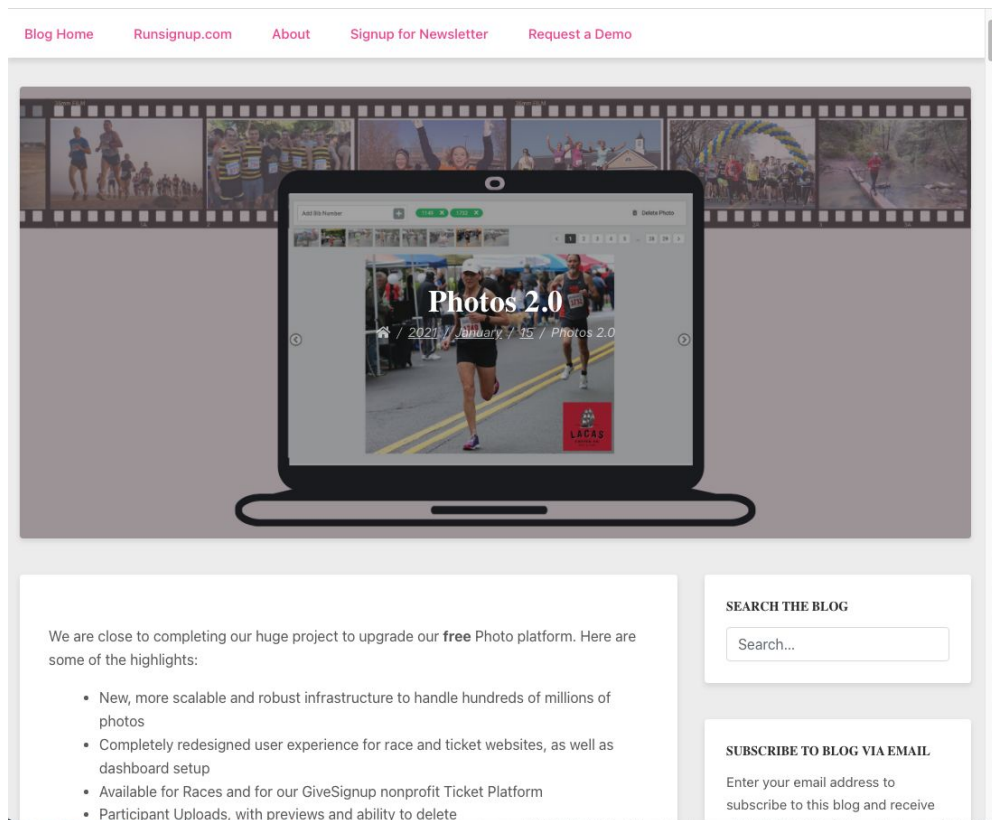
What happens on top of
the hardware store?

The Art of Technology





Be like Phil!



"I did this!"



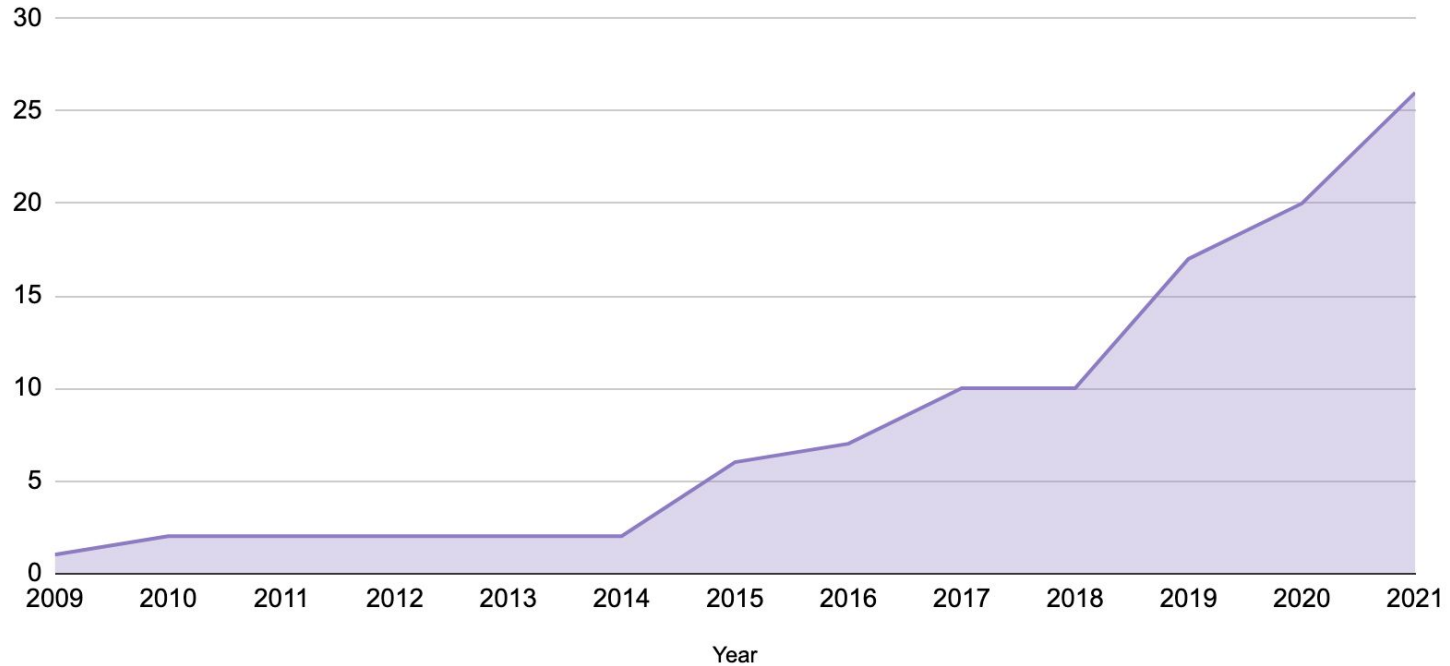


I'm sure big companies are fun too...





Development Team Growth





Rowan / RSU Partnership

Summer Internships

- 3-5 Interns each Summer
- Internships often extend or convert to full-time
- 1 open position for this summer

Field Experience Class

- 2021 - [Mobile Timing App](#)
- 2 teams sponsored

Co-op Program

- 6 month program
- Nathaniel Costa currently participating





System Infrastructure



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© TicketSignup

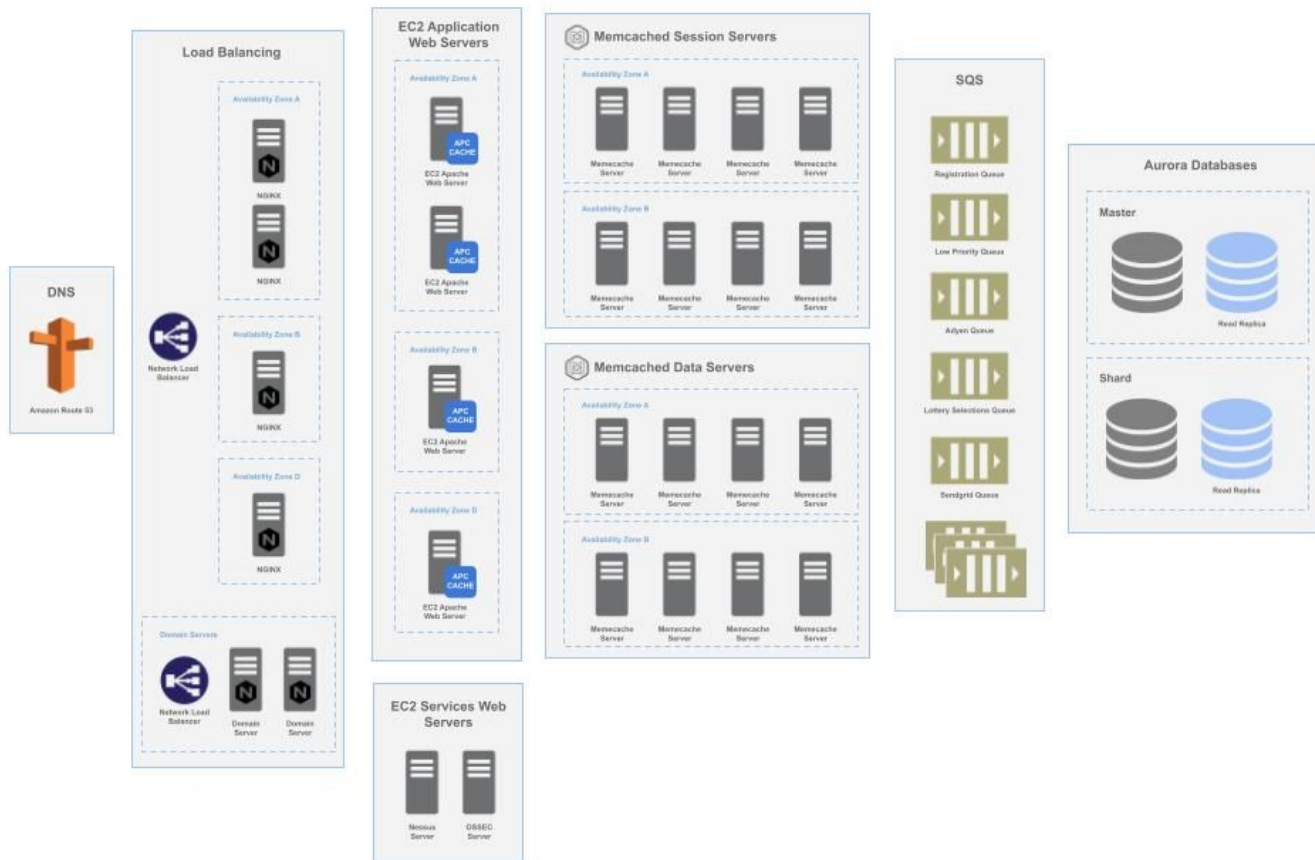


Our Stack: LAMP





AWS Infrastructure



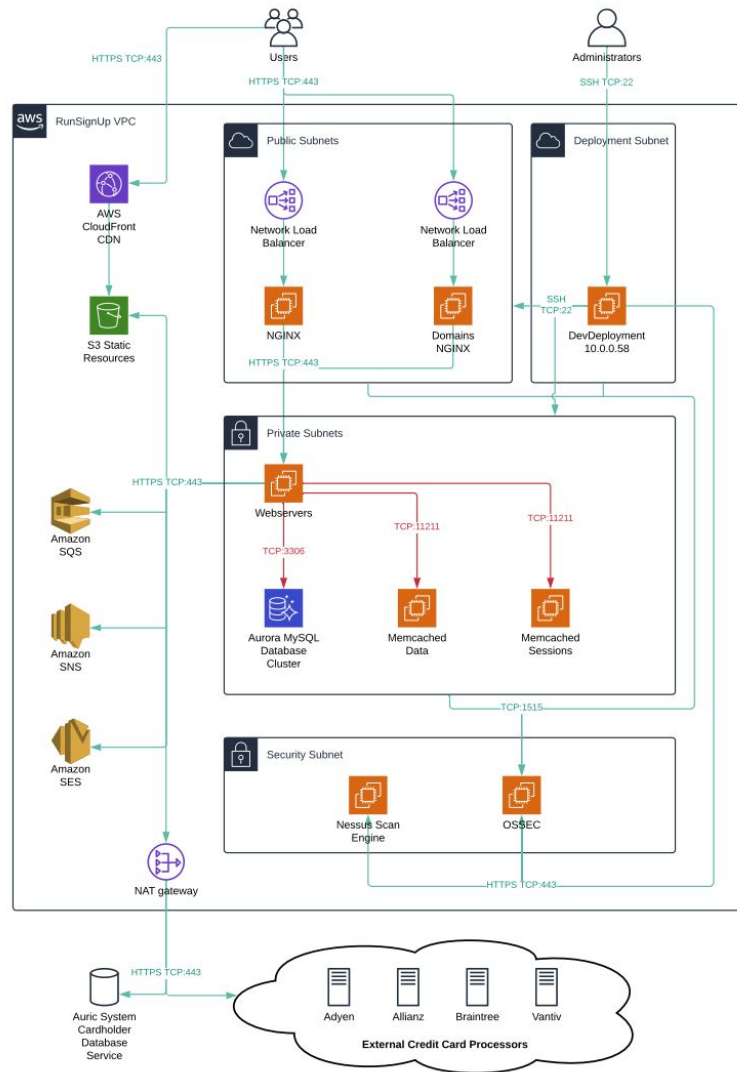


Network Data Flow

Legend:

- Encrypted traffic
- Unencrypted traffic

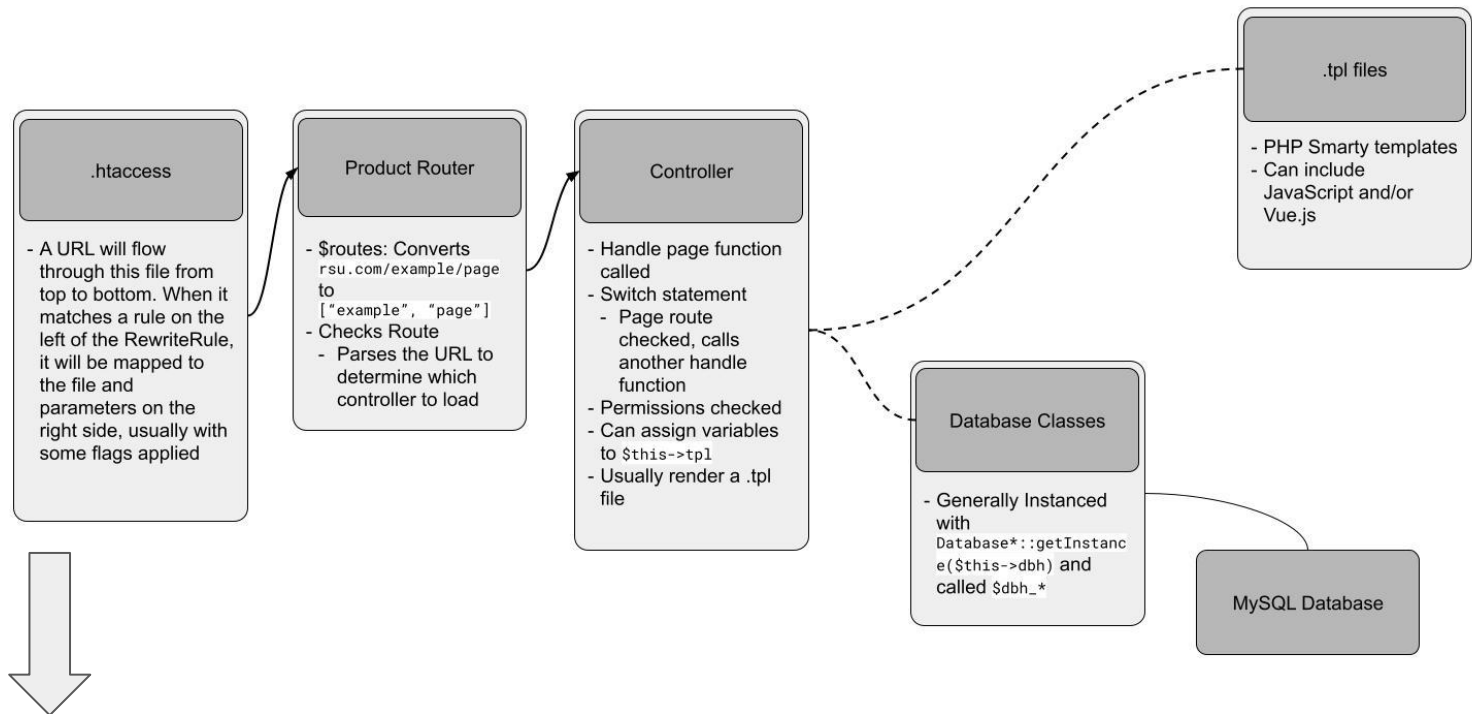
All instances are protected via AWS Security Groups that act as per-instance network firewalls.



Code Architecture



Code Architecture



Races

```
RewriteRule ^Race/([A-Z]{2,3})/([A-Za-z]+)/([A-Za-z0-9_\-]+)/?$ -> /race/race.php?state=$1&city=$2&raceUrl=$3 [QSA,NC,L]
RewriteRule ^Race/Info/([A-Z]{2,3})/([A-Za-z]+)/([A-Za-z0-9_\-]+)/?$ -> /race/race.php?state=$1&city=$2&raceUrl=$3&action=info [QSA,NC,L]
```


Code Architecture

```
// Get action
$action = isset($_GET['action']) ? $_GET['action'] : null;
$controllerName = isset($_GET['controller']) ? strtolower($_GET['controller']) : null;

// Store
if ($action == 'store')
{
    require_once('controllers/RaceStoreController.class.php');
    $controller = new RaceStoreController($dbh);
    $controller->setTpl($tpl);
    $controller->handlePage();
}

// Tech Partner tab
else if ($controllerName == 'techpartner')
{
    require_once('controllers/RaceTechPartnersController.class.php');
    $controller = new RaceTechPartnersController($dbh);
    $controller->setTpl($tpl);
    $controller->handlePage();
}

// Race groups
else if ($controllerName == 'racegroups')
{
    require_once('controllers/RaceGroupsController.class.php');
    $controller = new RaceGroupsController($dbh);
    $controller->setTpl($tpl);
    $controller->handlePage();
}

// Runner notification
```

```
/**
 * Handle my page
 */
protected function handleMyPage(): void
{
    // Check permissions

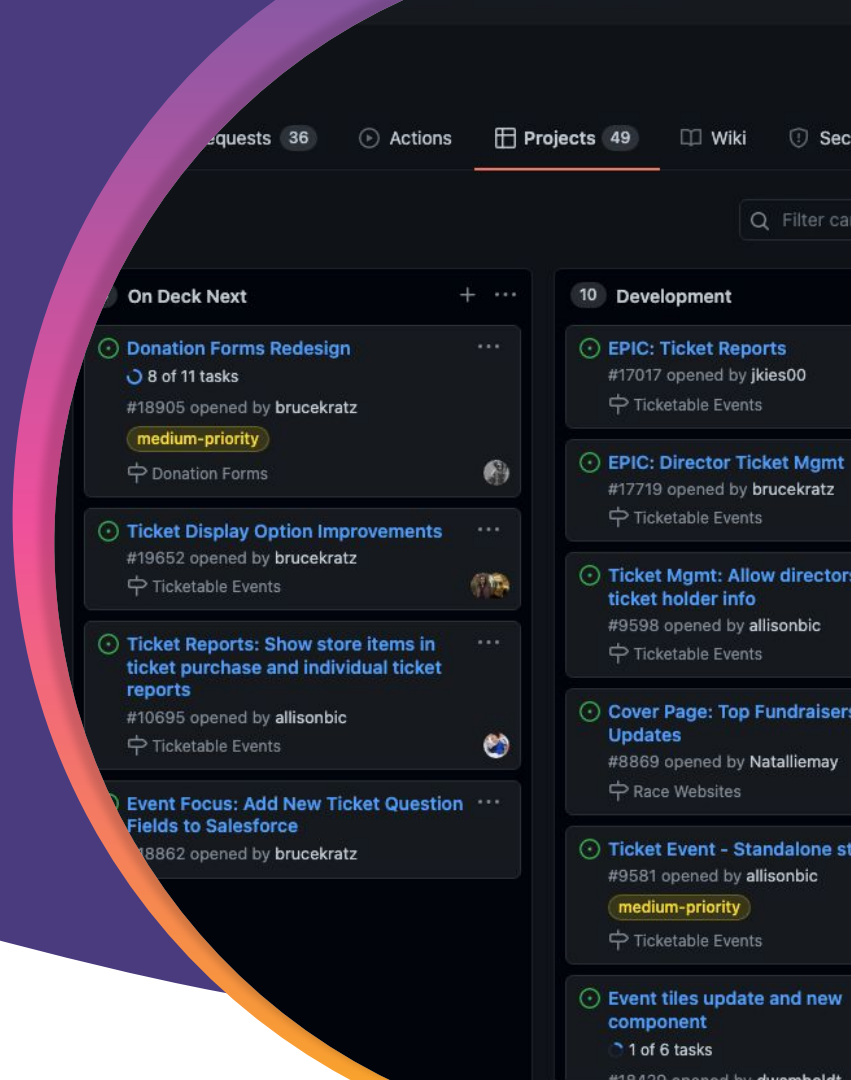
    // Load from the database

    // Handle POST request

    // Load template and render page using Smarty functions
}

/** Handle partner page */
```

Continuous Integration Process





Deployment Stats

553

**Deployments
in 2022 Q1**

11k

**Automated Test
Assertions**

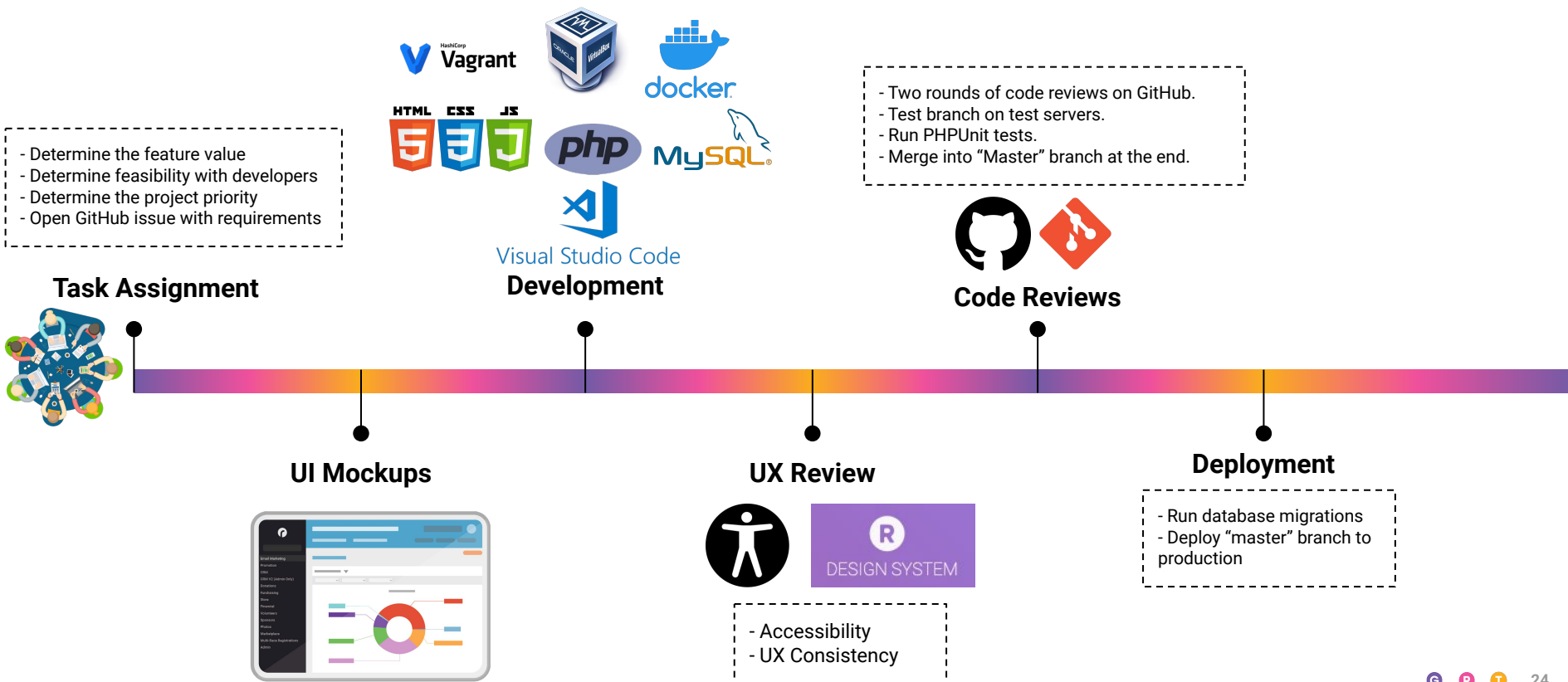
19

**Software
Engineers**

113k

**Added, changed or
deleted code lines in
past 30 days**

Development Process



Local Development Flow

Checkout a new branch

> git checkout -b fixPhotoBug

```
~/Sites/runsignup [master]: git checkout -b fixPhotoBug
Switched to a new branch 'fixPhotoBug'
~/Sites/runsignup [fixPhotoBug]:
```

Pull From Repository

> git pull

```
~/Sites/runsignup [master]: git pull
remote: Enumerating objects: 180, done.
remote: Counting objects: 100% (136/136), done.
remote: Compressing objects: 100% (67/67), done.
remote: Total 180 (delta 70), reused 131 (delta 69), pack-reused 44
Receiving objects: 100% (180/180), 310.54 KiB | 5.45 MiB/s, done.
Resolving deltas: 100% (37/37), completed with 36 local objects.
From github.com:RunSignup-Team/runsignup
 562ab665c..0e23c98021 master -> origin/master
 207e7262f6..a2e8f843fc andrewCopyTicketSubeventAdvanced -> origin/andrewCopyTicketSubeventAdvanced
 224a466276..732d5d5159 displayOptionsPreviewJkl -> origin/displayOptionsPreviewJkl
+ 417671b678..284ff8cc2 divisionsApiFix (forced update) -> origin/divisionsApiFix (forced update)
 fd08e1badd..b981a0a0b donationInfoTicketPurchaseReport16259 -> origin/donationInfoTicketPurchaseReport16259
 de897d4c0b..83d8fc415c fee_eventTitle -> origin/fee_eventTitle
 2c118947b0..732ddc23a7 frontendUpdatesMoreJkl -> origin/frontendUpdatesMoreJkl
+ c31b681e4b..a3a6facc6f jackFundraisersApi -> origin/jackFundraisersApi
+ b0d1884340..84cc8357f9 participantApiFundraisers -> origin/participantApiFundraisers (forced update)
 cbc6fadf66..659e557243 standalone_websites -> origin/standalone_websites
 cc80e45526..cf4c8fabf0 teamMilestoneupdates -> origin/teamMilestoneupdates
+ [new branch] vueDate -> origin/vueDate
Updating 562ab665c..0e23c98021
Fast-forward
 includes/rest/RestV2RaceDivisionsHandler.class.php | 2 +-
 includes/rest/doc/raceParticipants.php | 1 +
 templates/components/contactForm.tpl | 2 +-
 templates/rest/doc/methods/raceParticipantsGetDocs.tpl | 2 ++
 templates/rest/races/participants.xtpl | 6 +++++
 www/rest/races/participants2.php | 1 2 +-
 www/rest/rsu.dtd | 2 +-
 www/static/css/imports/shared/buttons/_rsuButtons.scss | 6 +---
 8 files changed, 48 insertions(+), 5 deletions(-)
```

Commit changes

> git status
 > git add
 > git commit -m "Fixed photo bug"

```
~/Sites/runsignup [fixPhotoBug]: git status
On branch fixPhotoBug
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   templates/race/infoTable-event.tpl

no changes added to commit (use "git add" and/or "git commit -a")
~/Sites/runsignup [fixPhotoBug]: git add
~/Sites/runsignup [fixPhotoBug]: git commit -m "Fixed photo bug"
[fixPhotoBug 28d1b32c0d] Fixed photo bug
1 file changed, 1 insertion(+)
~/Sites/runsignup [fixPhotoBug]:
```

Local Development Flow

```
> git fetch origin master:master  
> git rebase master
```

Rebase master

```
      A---B---C topic  
      /  
D---E---A'---F master
```

will result in:

```
              B'---C' topic  
              /  
D---E---A'---F master
```

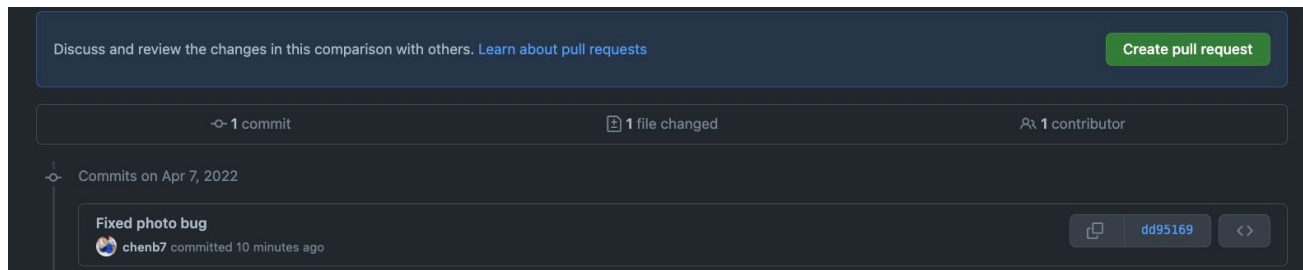
Squash commits

```
> git rebase -i HEAD~4  
OR  
> git rebase <commitHash>
```

```
1  pick 28d1b32c0d Fixed photo bug  
2  squash 685b1508a6 My second commit  
3  squash 84946b3f21 My third commit  
4  squash d50e6e0f3d My forth commit
```

Push to remote repository

```
> git push origin fixPhotoBug  
Do a self-review
```



Code Review Sample

Add DOB column to sensitive information report #19579

Edit <> Code

Merged lerxst merged 1 commit into master from fee_dob 4 days ago

Conversation 10 Commits 1 Checks 0 Files changed 2 +61 -51



justusRSU commented 17 days ago

Description of New Feature / Improvement

- Added DOB column to report
- Adjusted CSV writer implementation to match the newer ColumnBuilder method

Scope of Change

✓ Races/Registration

Related Issues / Pull Requests

- Fixes Add DOB Field to Sensitive Data Download #19519

Testing Performed

Click "Download Participant Data", paste in RSA, and open the CSV. If you don't have the RSA handy, there's a reset button on the page -- though it'll wipe all of the race's sensitive data

Links

- <http://localhost:8000/Race/Dashboard/SensitiveInfo/Z1/Setup>



justusRSU assigned chenb7 17 days ago

Reviewers

lerxst



chenb7



Assignees



chenb7

Labels



None yet

Projects



None yet

Milestone



No milestone

Development



Successfully merging this pull request may close these issues.

Add DOB Field to Sensitive Data Download

Notifications

Customize

Unsubscribe

You're receiving notifications because you're

Code Review Sample

chenb7 approved these changes 10 days ago

chenb7 left a comment

Looks good, thank you Justus!

lerxst approved these changes 7 days ago

lerxst added the **pending-deployment** label 7 days ago

lerxst force-pushed the **fee_dob** branch from **576ad50** to **4b790f1** 4 days ago

Added DOB column

lerxst force-pushed the **fee_dob** branch from **4b790f1** to **54e04fb** 4 days ago

lerxst merged commit **54e04fb** into **master** 4 days ago

lerxst deleted the **fee_dob** branch 4 days ago

lerxst removed the **pending-deployment** label 4 days ago

chenb7 requested changes 11 days ago

includes/controllers/RaceSensitiveInfoDashboardController.class.php Outdated

```

244 -
247 +
248 + // Download
249 + $downloadWriter = (! $this->userHasDownloadPermissions()) ? null : new

```

chenb7 11 days ago

If we were to keep this, I find this more clear 😊

Suggested change

```

- $downloadWriter = (! $this->userHasDownloadPermissions()) ? null :
  new CsvSpreadsheetWriter();
+ $downloadWriter = $this->userHasDownloadPermissions() ? new
  CsvSpreadsheetWriter() : null;

```

JustusRSU 11 days ago

Good catch, done

Reply...

Unresolve conversation chenb7 marked this conversation as resolved.

chenb7 11 days ago

includes/controllers/RaceSensitiveInfoDashboardController.class.php Outdated

```

245 252 // Check for error
246 - if (empty($this->error))
253 + if (empty($this->error) && $isDownload)

```

chenb7 11 days ago

Can you check if formErrorRepo works here?

Also, it seems like `$downloadWriter` isn't used anywhere else besides within this `if` block, so perhaps we just check

Suggested change

```

- if (empty($this->error) && $isDownload)
+ if ($this->formErrorRepo->hasErrors() && $this->
  userHasDownloadPermissions())

```

then assign `$downloadWriter = new CsvSpreadsheetWriter();` within the if block?

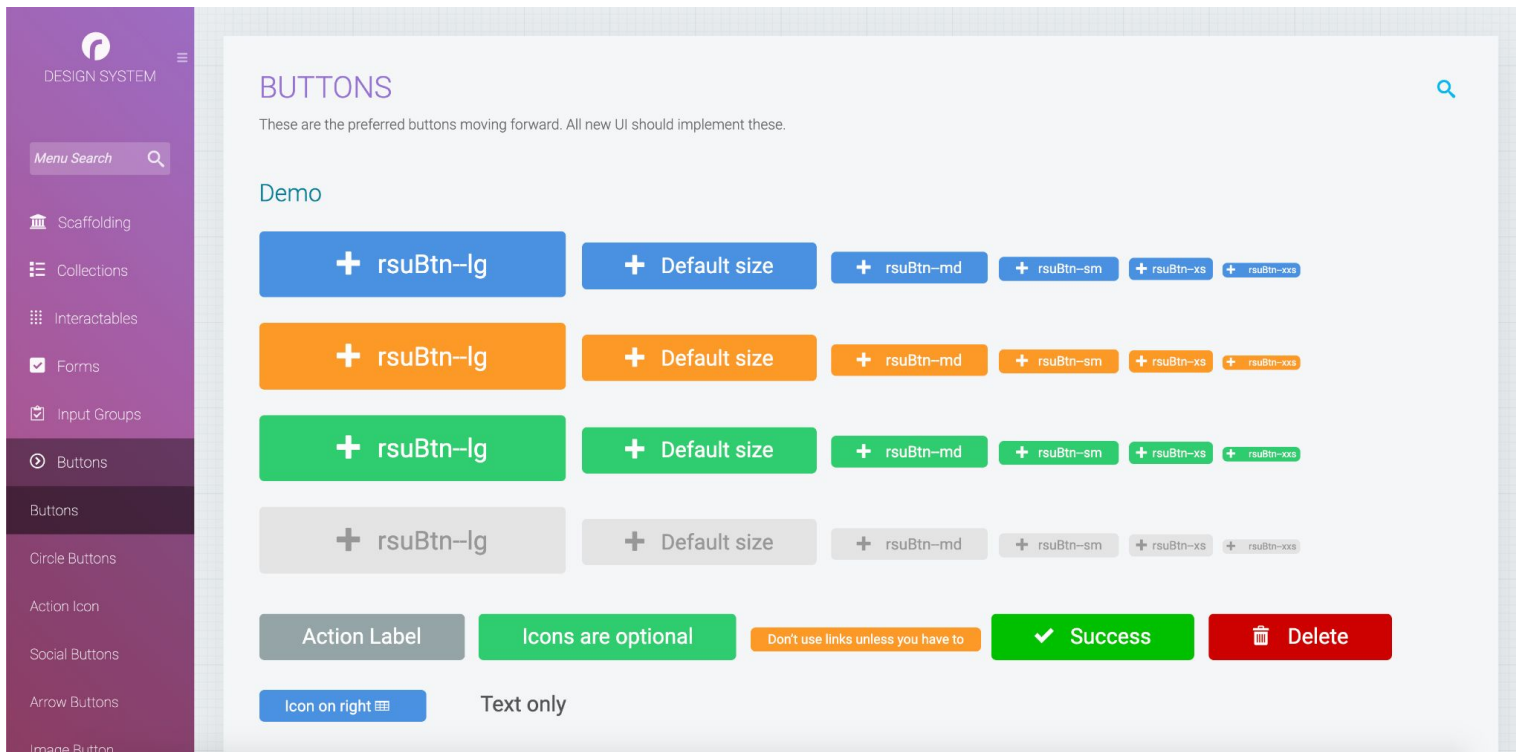
JustusRSU 11 days ago

Yep `formErrorRepo` works -- done

Reply...



Design System



[Link to Design System](#)



Design System

Markup

admin/components/design/buttons.tpl 

```
{* Copyright: RunSignUp, Inc. *}
```

```
<button type="button" class="rsuBtn rsuBtn--primary rsuBtn--lg">Save</button>
<button type="button" class="rsuBtn rsuBtn--primary">Cancel</button>
<button type="button" class="rsuBtn rsuBtn--primary rsuBtn--sm">{rsu_icon class="icon-plus"} rsuBtn--sm</button>
<button type="button" class="rsuBtn rsuBtn--primary rsuBtn--xs">{rsu_icon class="icon-plus"} rsuBtn--xs</button>
<button type="button" class="rsuBtn rsuBtn--primary rsuBtn--xxs">{rsu_icon class="icon-plus"} rsuBtn--xxs</button>
<br/>
<button type="button" class="rsuBtn rsuBtn--secondary rsuBtn--lg">{rsu_icon class="icon-plus"} rsuBtn--lg</button>
<button type="button" class="rsuBtn rsuBtn--secondary">{rsu_icon class="icon-plus"} Default size</button>
<button type="button" class="rsuBtn rsuBtn--secondary rsuBtn--md">{rsu_icon class="icon-plus"} rsuBtn--md</button>
<button type="button" class="rsuBtn rsuBtn--secondary rsuBtn--sm">{rsu_icon class="icon-plus"} rsuBtn--sm</button>
<button type="button" class="rsuBtn rsuBtn--secondary rsuBtn--xs">{rsu_icon class="icon-plus"} rsuBtn--xs</button>
```

SCSS

```
@import "imports/shared/_dashButtons.scss"; 
```

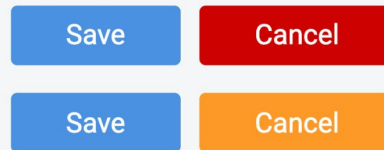
Button Usage

When placing two buttons next to each other, one should be primary and the other secondary.
Do not use a strong color for both buttons. This creates two primary conflicting buttons. This causes confusion for the user.

Do



Don't



- 80+ unique components
- Standardize design at scale
- Consistency, reusability, speed

Tests are a developer's "Safety Net"

- Spend less time worrying *"Is this going to break something?"*
- Enter an area of code you are not familiar with
- Try out new things
- Refactor
- Experiment
- Innovate



How Does A Test Work?

- A test works by calling the application code, or the application directly (i.e. HTTP requests)
 - The test target is referred to as “**code under test**” or “**system under test**”
- Test code is contained in its own class
- Tests use **assert** statements (“**assertions**”) to validate that the supplied input data produces an **actual** result that matches the **expected** result defined in the test

Example Test

```

1  <?php
2
3  /**.Copyright:RunSignUp,Inc.*/
4
5  declare(strict_types=1);
6
7  namespace RunSignUpTests\Includes\Utils;
8
9  You, seconds ago | 1 author (You)
10 /**
11  *.Tests.functionality.of.the.FormUtils.class
12  *.
13  *.@group.form-utils
14  */
15 final class FormUtilsTest extends TestCase
16 {
17     /**
18     *.Test.FormUtils::getTrimAndNullifyField.handles.missing.or.empty.values.properly
19     */
20     public function testGetTrimAndNullifyField(): void
21     {
22         $arr = [
23             'val' => 'Test.text',
24             'number' => 50,
25             'negativeNumber' => -100
26         ];
27         self::assertEquals('Test.text', FormUtils::getTrimAndNullifyField($arr, 'val'));
28         self::assertEquals(50, FormUtils::getTrimAndNullifyField($arr, 'number', FormUtils::GET_INPUT_FIELD_INT_ONLY));
29         self::assertEquals(-100, FormUtils::getTrimAndNullifyField($arr, 'negativeNumber', FormUtils::GET_INPUT_FIELD_SIGNED_INT_ONLY));
30     }
31 }

```

PHP Code Sniffer Examples

```
82 > > > throw new DatabaseException($this->dbh->errno->error, $this->dbh->errorInfo);
83 > > if (!($stmt->bind_param('ss', $startDate, $endDate) &&
84 > > > $stmt->execute() && $stmt->bind_result($eventId, $eventType))) {
85 > > > $stmt->bind_param('ss', $startDate, $endDate);
86 > > > $stmt->bind_result($eventId, $eventType);
87 > > > }
```

phpcs: bind_param is deprecated. Use prepareAndBind instead.

```
469 > > > // Add event
470 > > > $rtn[] = array(
471 > > > > 'raceId' => $raceId,
472 > > > > 'eventId' => $eventId,
473 > > > > 'category' => $category,
474 > > > > 'eventType' => $eventType
475 > > > );
476 > > > }
477 > > > $stmt->free_result();
478 > > >
479 > > > }
```

phpcs: Short array syntax must be used to define arrays



Thank You For Joining Us Today

*For more information, visit us online at:
givesignup.org • runsignup.com • ticketsignup.io*



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