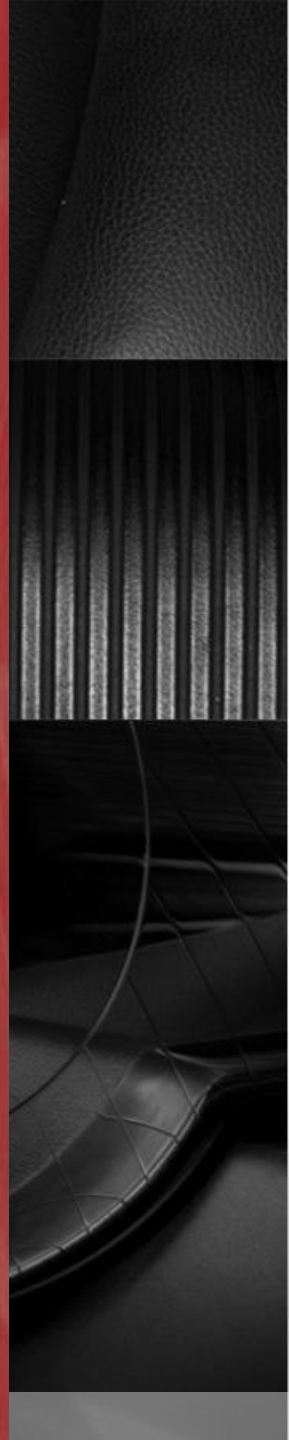


# IBC Biosafety: Registration System

## Analysis and Design

Gampon, Jonathan  
Gmiryansky, Nikita  
Jodesty, Joshua  
Phang, Werawati  
Shirley, Matthew





# Agenda

- Current IBC Biosafety Registration System: Problem Description
- System Solution & Functionality
- Key Benefits
- Conversion
- User Interface
- Potential Risks
- Testing
- Future Planning
- Summary



# Current IBC Biosafety Registration System: Problem Description

- The IBC Registration Log stores IBC Biosafety project information.
- Current system remains primitive and inefficient
- Not conducive to efficient project entry, retrieval, or maintainability.
- No disaster recovery plan.
- Too cumbersome for one individual.

# System Solution

A diagram consisting of three white circles with red outlines, arranged vertically and connected by thin red lines. The top circle is connected to the middle one, and the middle one is connected to the bottom one. The top circle also has a line extending from its top-left edge.

Easy to use system to store, track, and manage IBC biosafety project details

Ability to link all related forms for improved organization.

Notification system for tracking important dates and deadlines.



# System Functionality

Store and link related documentation

Enter new IBC biosafety projects

Display and search projects by all relevant fields

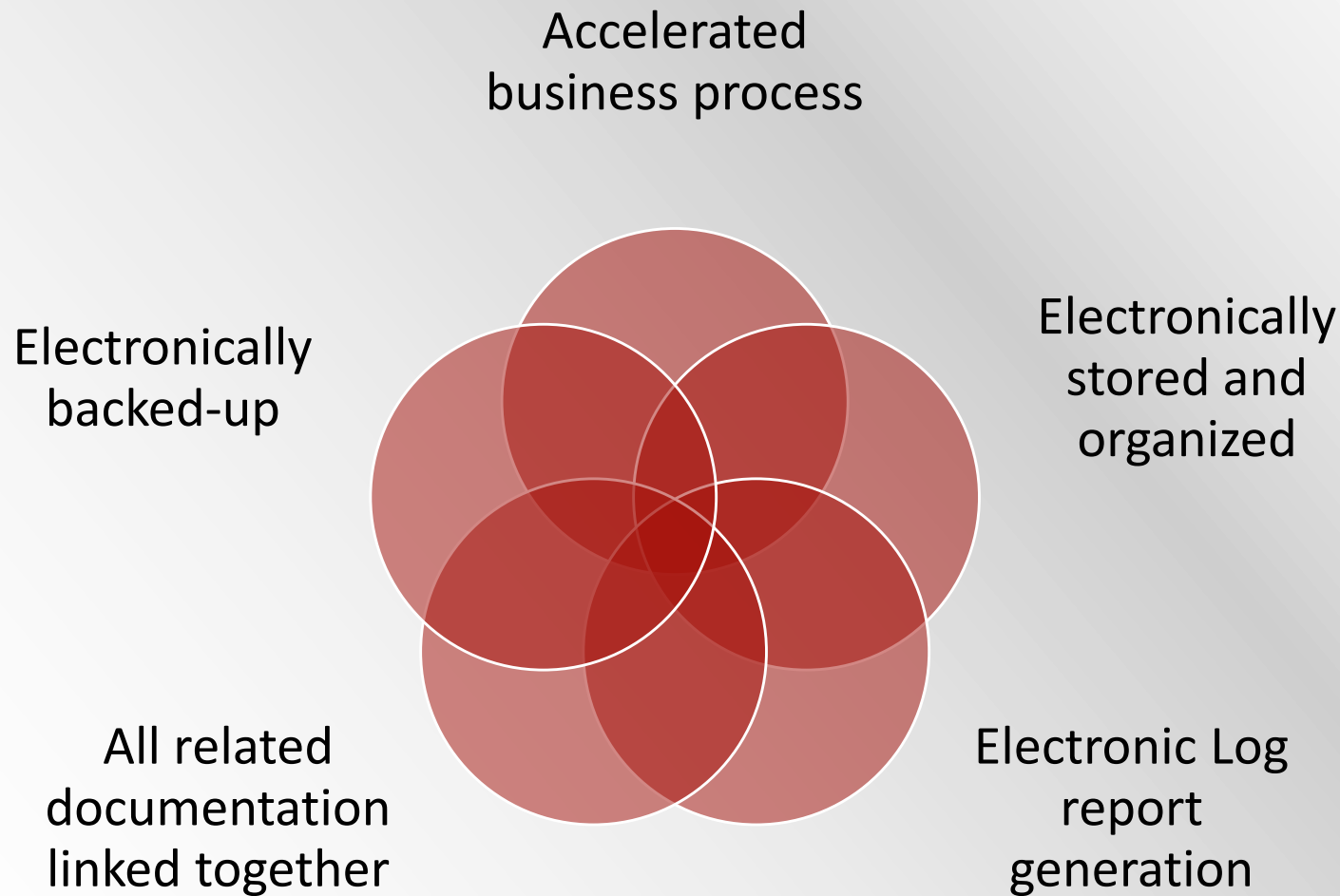
Update project records

Notifications

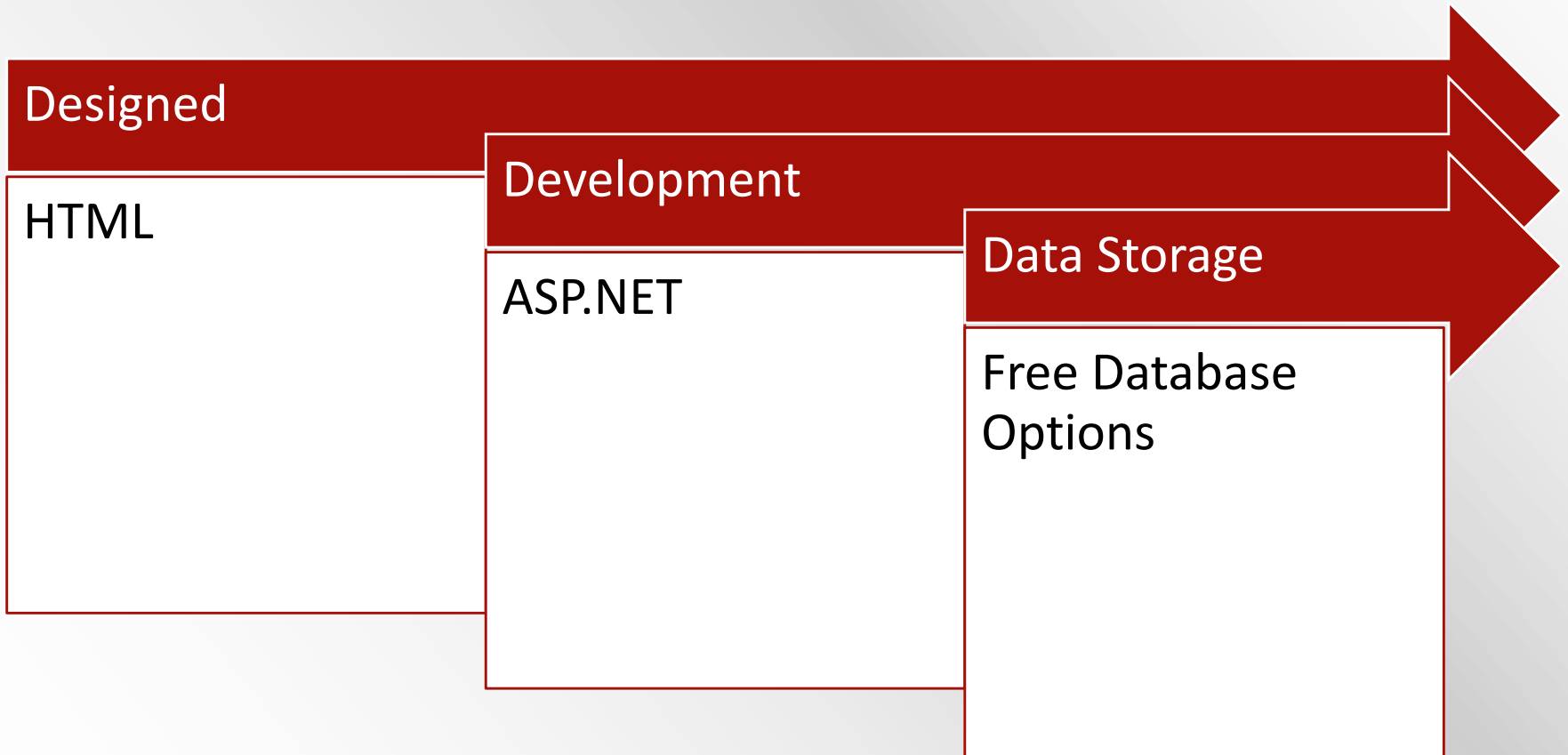
Clearly identify inactive projects

Generate reports

# Key Benefits



# Used Technology



# Conversion

- IBC Biosafety project registration forms
  - *Biosafety Level 1 Registration Form*
  - *Biosafety Registration Form*
  - *Biosafety Registration Addendum: Whole Animals*
  - *Protocol Amendment Request*
  - *Annual Protocol Renewal Request*
- The IBC Coordinator will convert this data by manually entering it into the IBC Registration System using mouse, keyboard, and scanner inputs.
- The IBC Coordinator will convert this data by manually entering it into the IBC Registration System using mouse, keyboard, and scanner inputs.



# Login Screen



## IBC Biosafety Registration System

Login

Contact

### Login

User:

Password:

Login

[Forgot Password?](#)

Footer, Copyright.



# Projects Screen



## IBC Biosafety Registration System

[Home](#)[Add Project](#)[Search](#)[Notifications](#)[\[Logout\]](#)

### IBC Biosafety Projects Home Page

	BRF No.	Title	BioHazards	Principal Investigator	Approval Status	Approval Date	Controls
<input type="checkbox"/>	301	Working with Whales	BP Toxic Waste	Nikita Longhorn	Approved	10/13/2012	
<input type="checkbox"/>	301	Working with Whales	Contamination	Nikita Longhorn	Approved	10/13/2012	



# New Project

Project Title:	
<input type="text"/>	
BRF Number:	<input type="text"/>
PI Name:	PI Email:
<input type="text"/>	<input type="text"/>
Biohazard(s):	<input type="text"/>
Submission Date:	<input type="text"/> / <input type="text"/> / <input type="text"/>
Expiration Date:	<input type="text"/> / <input type="text"/> / <input type="text"/>
IACUC:	<input type="text"/>
IRB:	<input type="text"/>
NIH Category:	<input type="text"/>
Department:	<input type="text"/>
Building:	<input type="text"/>
Room:	<input type="text"/>
Approval Status:	<input type="text" value="All"/>
Approval Date:	<input type="text"/> / <input type="text"/> / <input type="text"/>
Meeting Date:	<input type="text"/> / <input type="text"/> / <input type="text"/>

Meeting Comments:
<input type="text"/>
<input type="checkbox"/> Auto Add Notification
Attachments:
<input type="text"/> <input type="button" value="Browse"/>
Comments:
<input type="text"/>
<input type="button" value="Cancel"/> <input type="button" value="Save"/>

# View/Edit Project

Project Title:	
Working with whales	
BRF Number:	301
PI Name:	PI Email:
Nikita Longhorn	nik.longhorn@ibc.com
Biohazard(s):	BP Toxic Waste
	Contamination
Submission Date:	/ /
Expiration Date:	/ /
IACUC:	
IRB:	
NIH Category:	
Department:	
Building:	
Room:	
Approval Status:	All
Approval Date:	/ /
Meeting Date:	/ /

Meeting Comments:

☒ Auto Add Notification

Attachments:

biosafetyRegForm.doc

Browse

Comments:

Cancel Save

# Search Screen

Keyword:

BRF Number:

Project Title:

PI Name:

Biohazard:

Submission Date:  /  /

IACUC:

IRB:

NIH Category:

Department:


Building:

Room:

Approval Status:  ▼

Approval Date:  /  /

Meeting Date:  /  /



# Search Result Screen

[Home](#)

Add Project

## Notifications

[Logout]

## Search Results

[illegible]

# Notification Screen



## IBC Biosafety Registration System

[Home](#)[Add Project](#)[Search](#)[Notifications](#)[\[Logout\]](#)

### Notifications

No.	Date	Recurrence	Project No.	Recipients	Comments	Controls
11234	<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text" value="None"/>	<input type="text"/>	<input type="text"/> +	<input type="text"/>	
11233	4/19/2006	Yearly	302	tuc13458@temple.edu	Send a whale to Nikita for his birthday!	
11232	5/19/2007	Yearly	301	tuc13233@temple.edu, tua74399@temple.edu	Send Flowers	



# Potential Risks

## System Support

- Documentation will be provided

## Data Loss

- Back-up system included in design



# Testing

**GUI  
Software  
Testing**

**Usability  
Testing**

**Active  
Testing**

**Unit  
Testing**

**Security  
Testing**

# Future Planning

Recap and account for any changes IBC department may encounter over this break

Begin Development Phase on January 22<sup>nd</sup>

Completion of system by April 2013



## Summary

The new IBC Biosafety Registration System will provide:

- Increased productivity
- Improved record accountability
- A backup system to protect from loss of records

These improvements can be achieved at minimal monetary cost