

MICHIGAN STATE
UNIVERSITY

Project Plan

Pig “E” Bank

The Capstone Experience

Team Auto-Owners

Nathan Sriro

David Ward

Benjamin Szymczak

Department of Computer Science and Engineering

Michigan State University

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From Students...
...to Professionals

Project Overview

- Make the process of depositing into an annuity easier
- Ability for non-policy holders to make deposits into accounts as a form of a gift, as well as send a physical gift to the annuity account holder

Functional Specifications

- Web application to make electronic deposits into annuities from non-policy holders
- Send small gifts to annuity holders along with deposits
- Have website platform independant
- Create an admin client to be able to view transactions



Design Specifications

- Easy three step process to deposit into annuity for the end user
- Universal website for both mobile and desktop browsers
- Multiple payment options

Screen Mockup: Website Interface

Pig 'E' Bank

Auto-Owners Insurance
Life Home Car Business
800-4-AUTO-66

Please enter policy holder's name

Please enter policy holders date of birth

Submit

Pig 'E' Bank

Auto-Owners Insurance
Life Home Car Business
800-4-AUTO-66

Enter Credit Card Number

Security Code

Expiration Date

Street Name

City

State

Zip Code

Submit



Screen Mockup: Mobile Interface

Pig 'E' Bank

Auto-Owners Insurance
Life Home Car Business
The 'No Problem' People®

Please enter policy holder's name

Please enter policy holders date of birth

Submit

Pig 'E' Bank

Auto-Owners Insurance
Life Home Car Business
The 'No Problem' People®

Deposit Amount
1,000

Choose your gift:
Teddy Bear

Street Name

City

Pig 'E' Bank

Auto-Owners Insurance
Life Home Car Business
The 'No Problem' People®

Enter Credit Card Number

Security Code

Expiration Date

Pig 'E' Bank

Auto-Owners Insurance
Life Home Car Business
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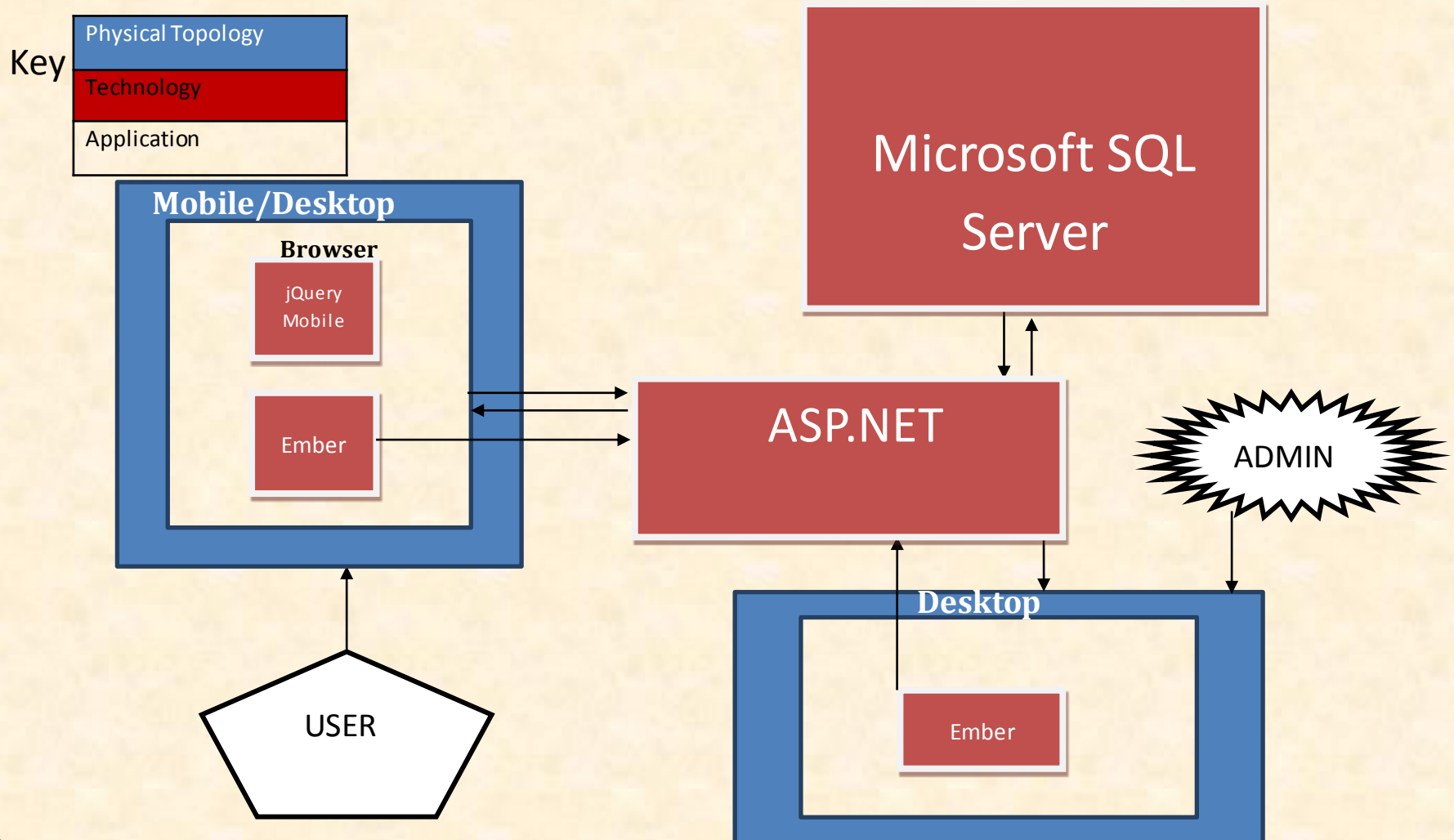
Thank you for your order! A confirmation email will be sent to you shortly.

Another deposit **Print**

Technical Specifications

- Microsoft SQL Database for storing transactions and checking valid input
- C# Visual Studio on an ASP.NET framework
- jQuery Mobile and Ember.js

System Architecture



System Components

- Hardware Platforms
 - Mobile Devices
 - Desktop
- Software Platforms / Technologies
 - ASP.NET
 - MS SQL Server
 - Ember.js
 - jQuery Mobile

Testing

- Functional Testing
 - Simulating a deposit on all platforms
 - Use cases
 - Unit Testing
- Nonfunctional Testing
 - Performance Testing
 - Responsiveness



Risks

Risks

- Risk 1
 - Having one website be compatible with many devices while maintain desirable aesthetics
 - Lots of testing and researching mobile development technologies
- Risk 2
 - Zero experience with jQuery Mobile and Ember.js
 - Lots of time researching and familiarizing with these tools
- Risk 3
 - Getting a back-end database connected to our server
 - Running many things by our clients which have a heavy IT background
- Risk 4
 - Running transactions through various payment options
 - Finding libraries or researching third party options that make this feature easier

