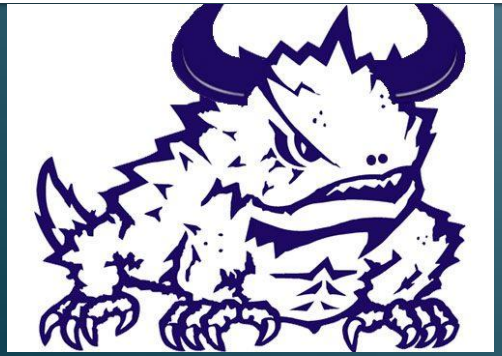
Toward TCC

Texas Christian University
Computer Science Senior Design



The Team

Matthew Bauer
Android Developer

Jose Segura
Web Designer

Reid Mulkey
iOS Developer

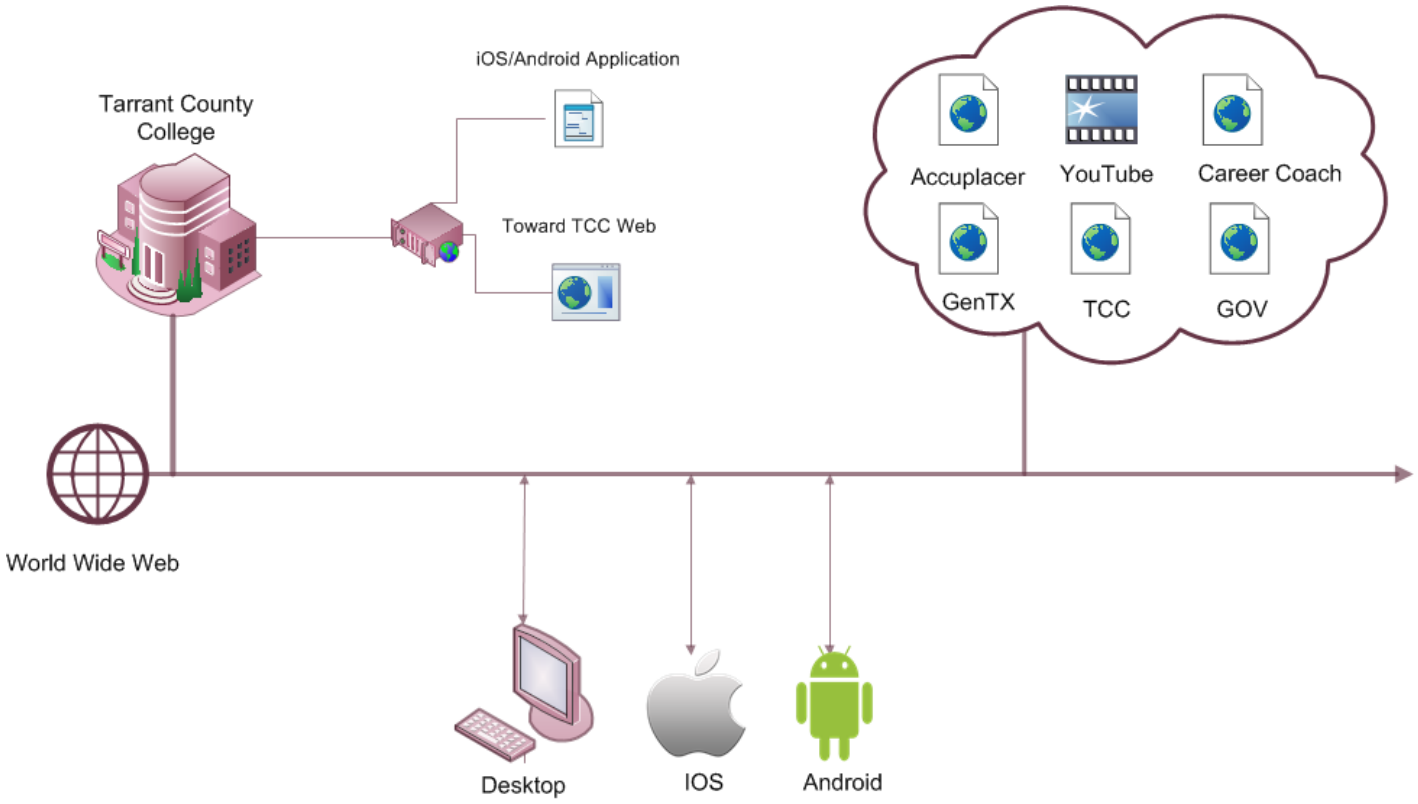
The Client

- Tarrant County College (TCC) Web Communications Department
  - Robert Heyser
  - Susan Ragland
  - Mark Crouch
  - Brandon Tucker
- TCC College Awareness Community Outreach (CACO) Program

The Problem

- CACO distributes materials to area schools
  - What to do in high school to prepare for college
  - Application Information
  - Education vs. Income correlation
- A CACO application presenting this material
  - The application includes additional tools
  - Web, iOS, and Android platforms

The Solution



The Solution Cont.

- Web application with information, videos, etc.
- Mobile application allowing user accounts and data storage
- Notifications for approaching deadlines
- User information cannot be made accessible to TCC, in accordance with FERPA

The Environment

- HTML5, Sublime Text Editor 2
- iOS 6.0, Xcode 4.5.2 IDE
- Android SDK 7, Eclipse 4.2 Juno IDE

Web Application

Web Application Development

index.html | career.html | wars.html | #include <string.h>

```
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Toward TCC</title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="">
    <meta name="author" content="">

    <!--styles -->
    <link href="../m/css/bootstrap.css" rel="stylesheet">
    <style type="text/css">
      body {
        padding-top: 60px;
        padding-bottom: 20px;
      }

     </style>
    <link href="../m/css/bootstrap-responsive.css" rel="stylesheet">
    <script src="http://code.jquery.com/jquery-latest.js"></script>
    <script src="js/bootstrap.min.js"></script>

    <!-- HTML5 shim, for IE6-8 support of HTML5 elements -->
    <!--[if lt IE 9]>
      <script src="http://html5shim.googlecode.com/svn/trunk/html5.js"></script>
    <![endif]-->

    <!-- Fav and touch icons -->
    <link rel="apple-touch-icon-precomposed" sizes="144x144" href="../assets/ico/apple-touch-icon-144-precomposed.png">
    <link rel="apple-touch-icon-precomposed" sizes="114x114" href="../assets/ico/apple-touch-icon-114-precomposed.png">
      <link rel="apple-touch-icon-precomposed" sizes="72x72" href="../assets/ico/apple-touch-icon-72-precomposed.png">
    <link rel="apple-touch-icon-precomposed" href="../assets/ico/apple-touch-icon-57-precomposed.png">
    <link rel="shortcut icon" href="../m/img/favicon.ico">
  </head>

  <body>

    <div class="navbar navbar-inverse navbar-fixed-top">
      <div class="navbar-inner">
        <div class="container-fluid">
          <a class="btn btn-navbar" data-toggle="collapse" data-target=".nav-collapse">
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
          </a>
         <!-- <a class="brand" href="index.html">Toward TCC</a> -->
          <!-- <a class="brand"><img src="img/tcclogo3.png"></a>  -->
          <div class="nav-collapse collapse">
            <ul class="nav">
              <li class="active"><a href="index.html">Home</a></li>
```

Spaces: 2 HTML

Home screen

Home | Apply Now | Career | Checklist | Videos

TCC | Tarrant County College

Toward TCC

Access career information, checklists to prepare you for college and more.

Apply Now

Visit TCC's application website for information on how to apply, requirements and more. Information for new-to-college, transfer and international students is available.

View details »

Career

Access career, education and job information on TCC's Career Coach tool. Learn more about how earning your degree can earn you more money.

View details »

Checklist

Find checklists to assist you in planning for college.

View details »

Videos

Check out some of our YouTube playlists to find out more about TCC.

View details »

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Available on the App Store

Google play

Responsive Design

TCC | Tarrant County College

Toward TCC

Access career information, checklists to prepare you for college and more.

Apply Now

Visit TCC's application website for

Toward TCC

Grade Level Checklist

Choose your grade level.

- 9th Grade
- 10th Grade
- 11th Grade
- 12th Grade

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Toward TCC

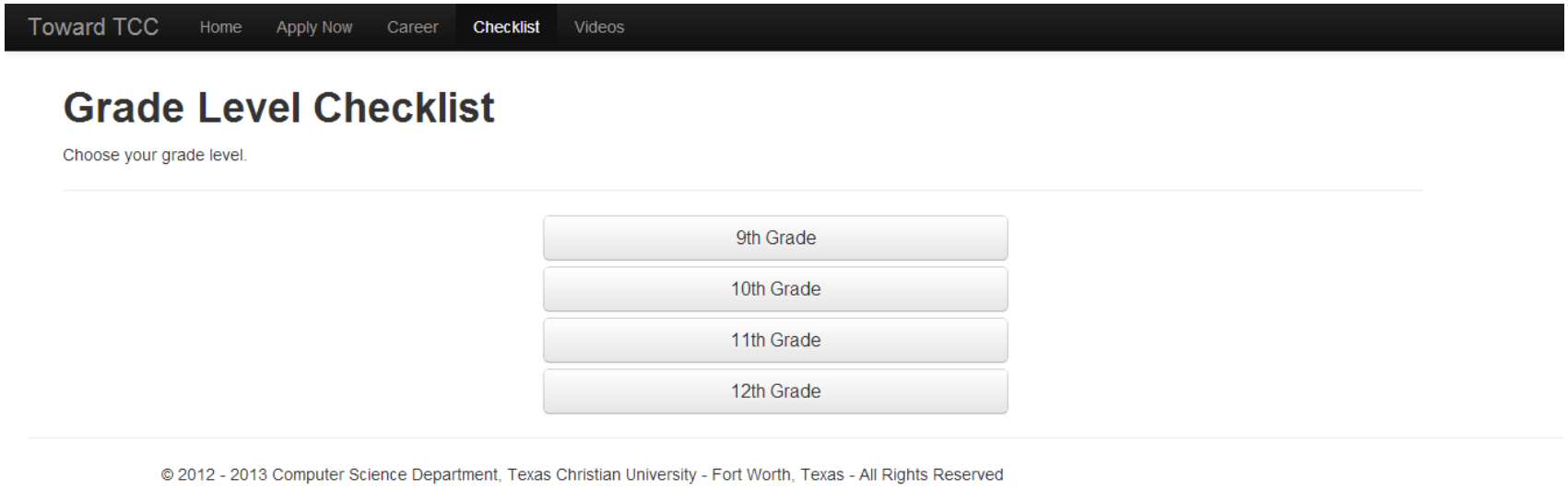
- Home
- Apply Now
- Career
- Checklist
- Videos

Grade Level Checklist

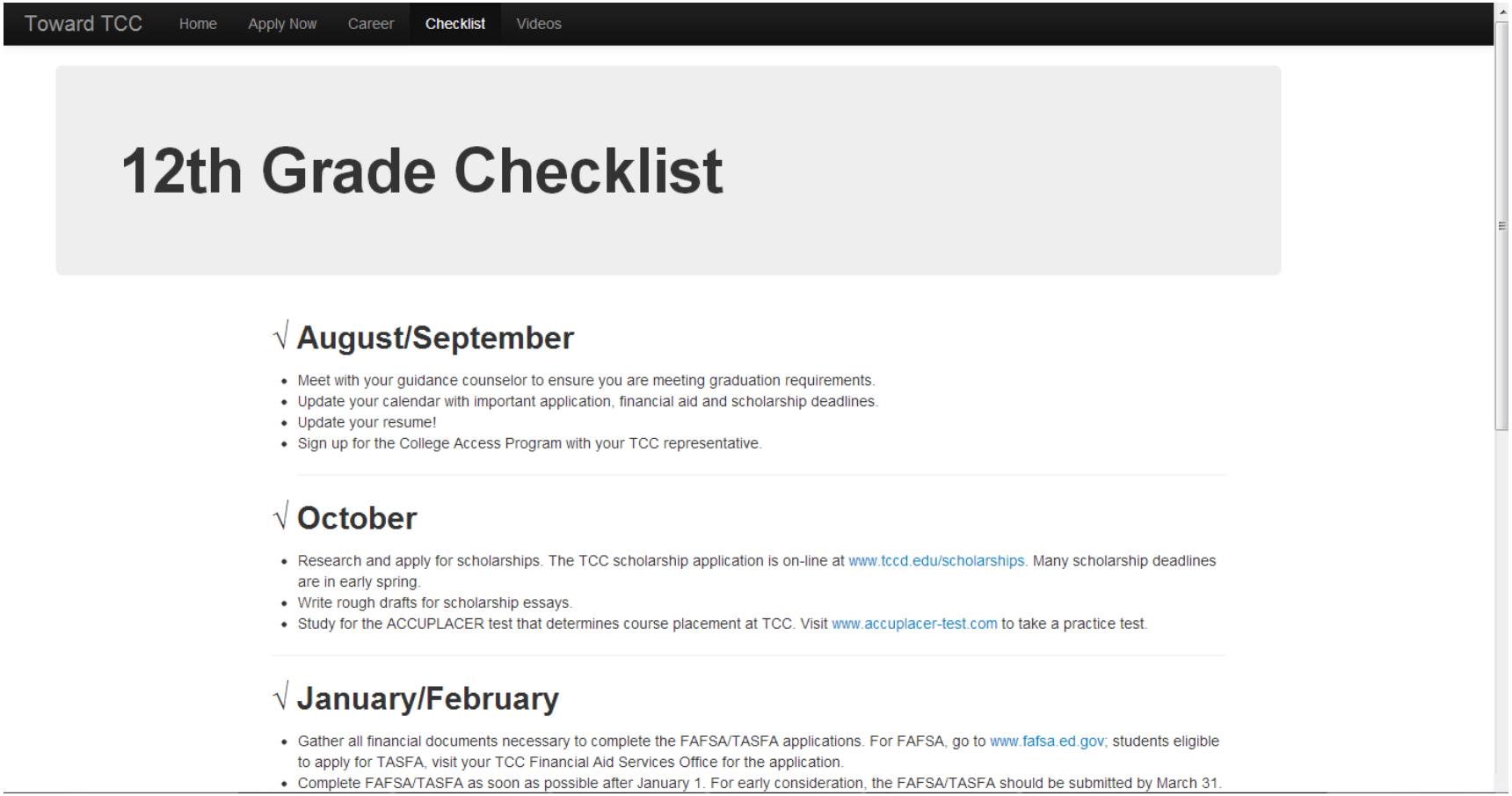
Choose your grade level.

9th Grade

Checklist – Main Screen



Checklist – Senior Year



Career Screen

Toward TCC | Home | Apply Now | Career | Checklist | Videos

Career

Access career, education and job information on TCC's Career Coach tool. Use the button below to launch the Career Coach tool.

Career Coach

Access career, education and job information on TCC's Career Coach tool. Use the button below to launch the Career Coach tool.

Costs

Learn more about how earning your degree can earn you more money. Visit GenTx.org for more info.

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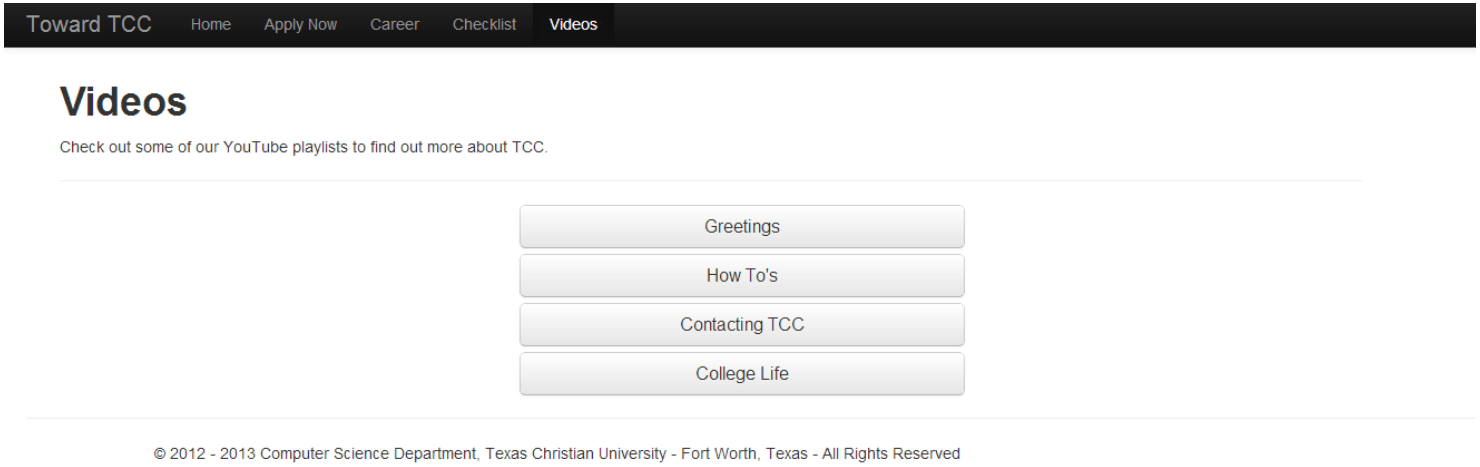
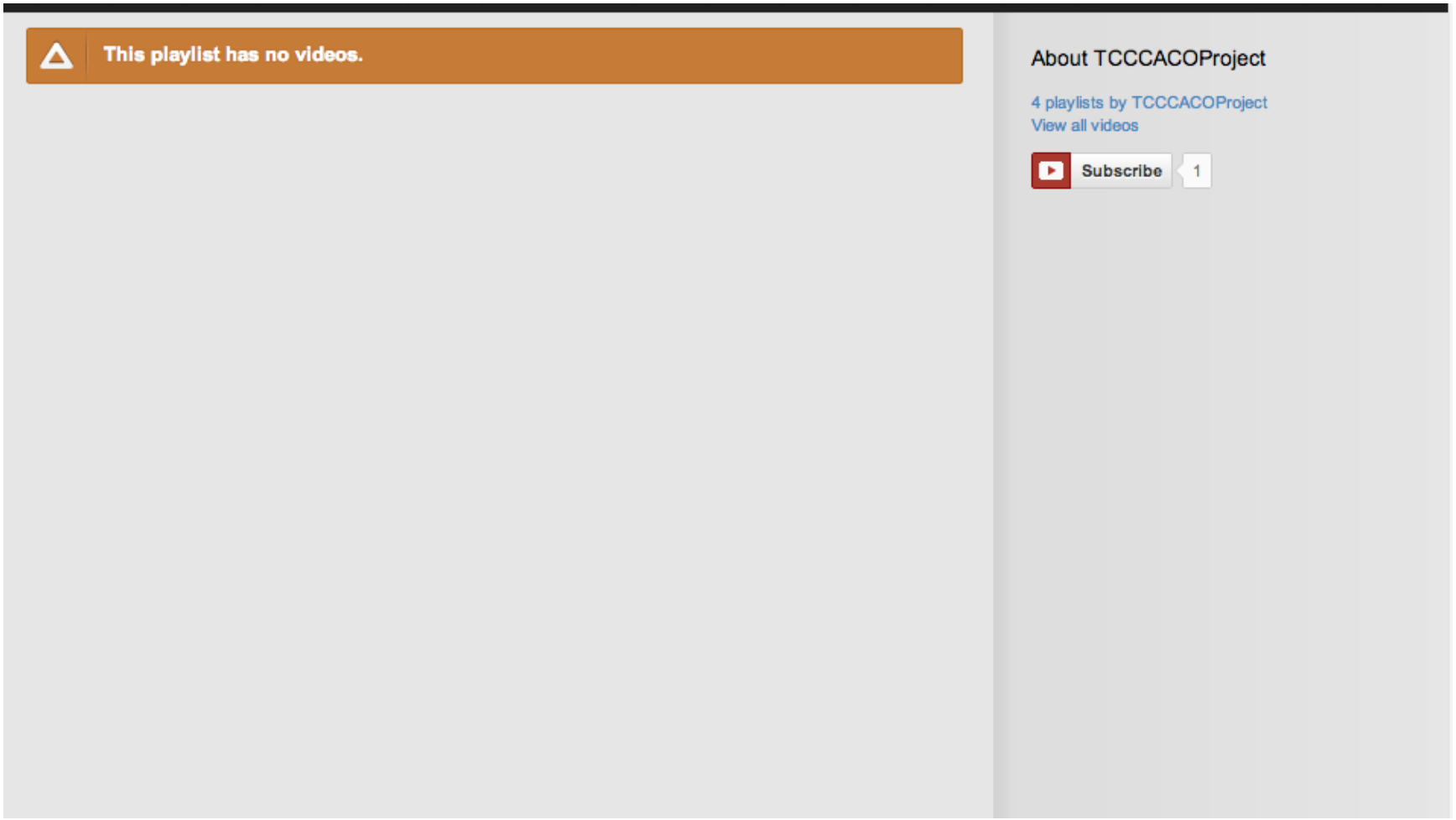
Video Screen

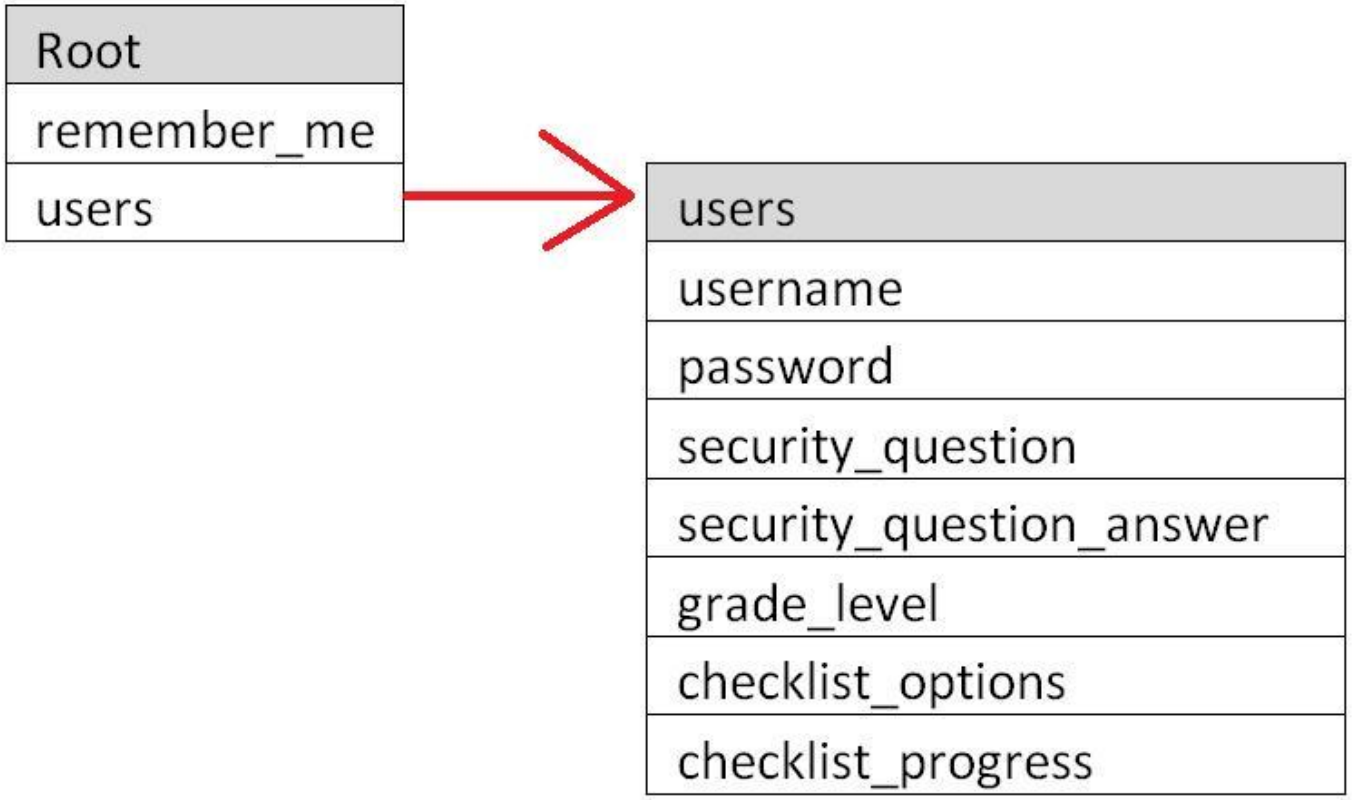


YouTube Playlists

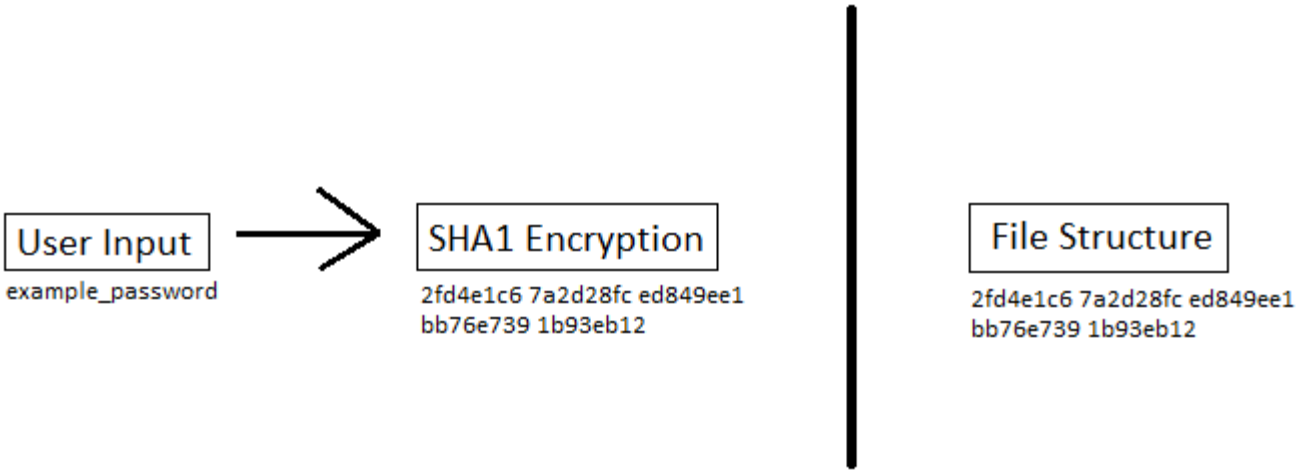


Mobile Applications

File Structure

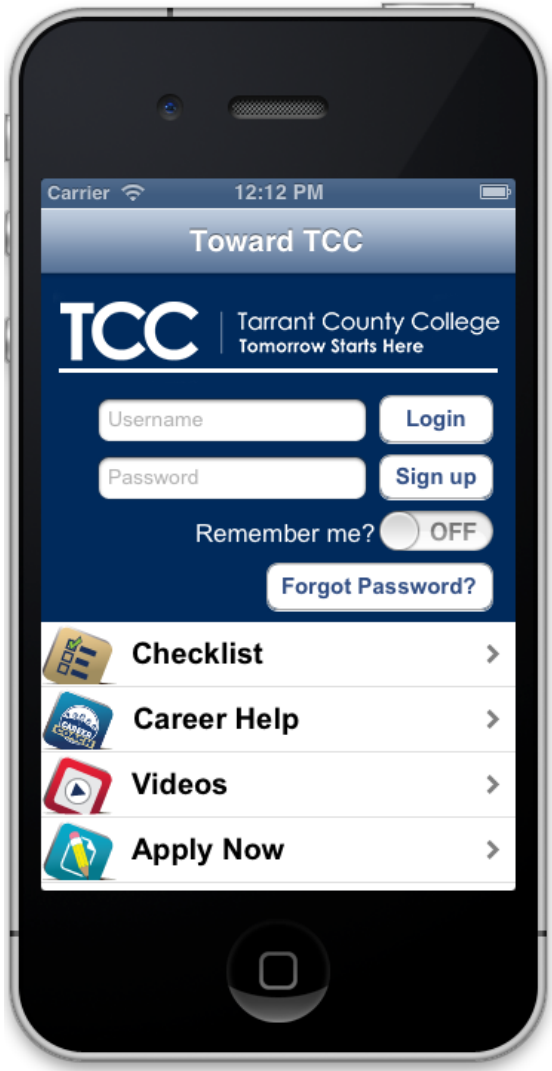


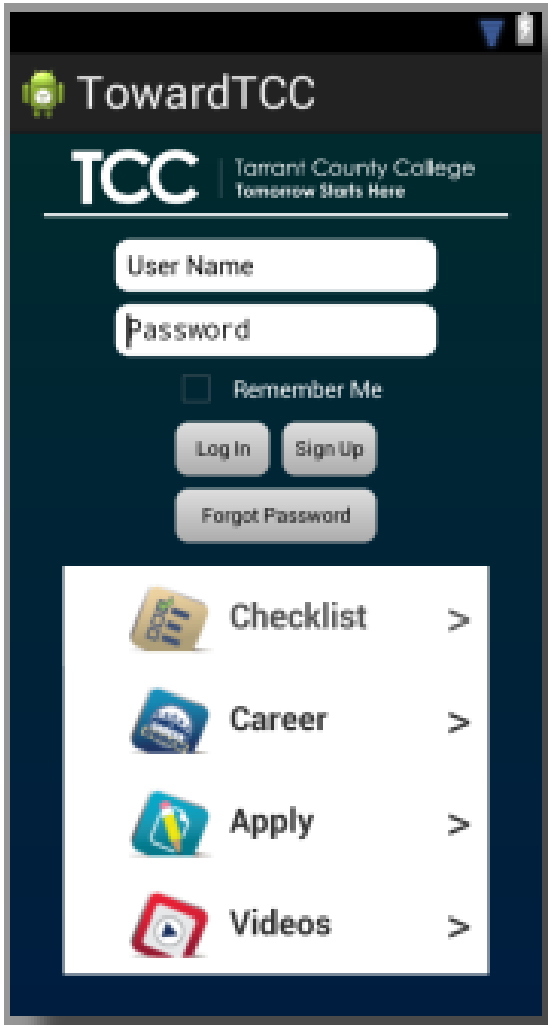
Data Encryption



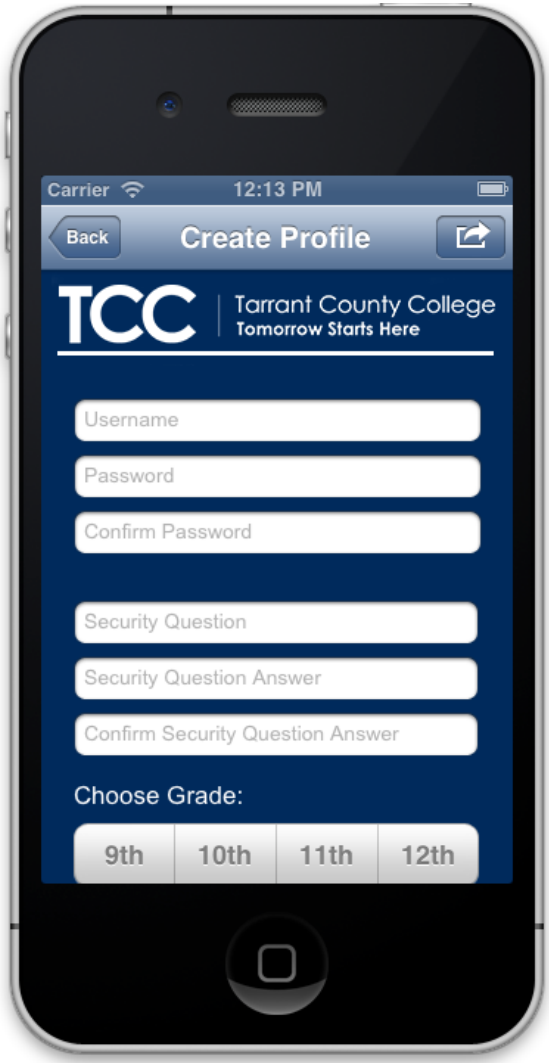
- For added security, the application does not store plain text values. Instead, it uses an encrypted representation.

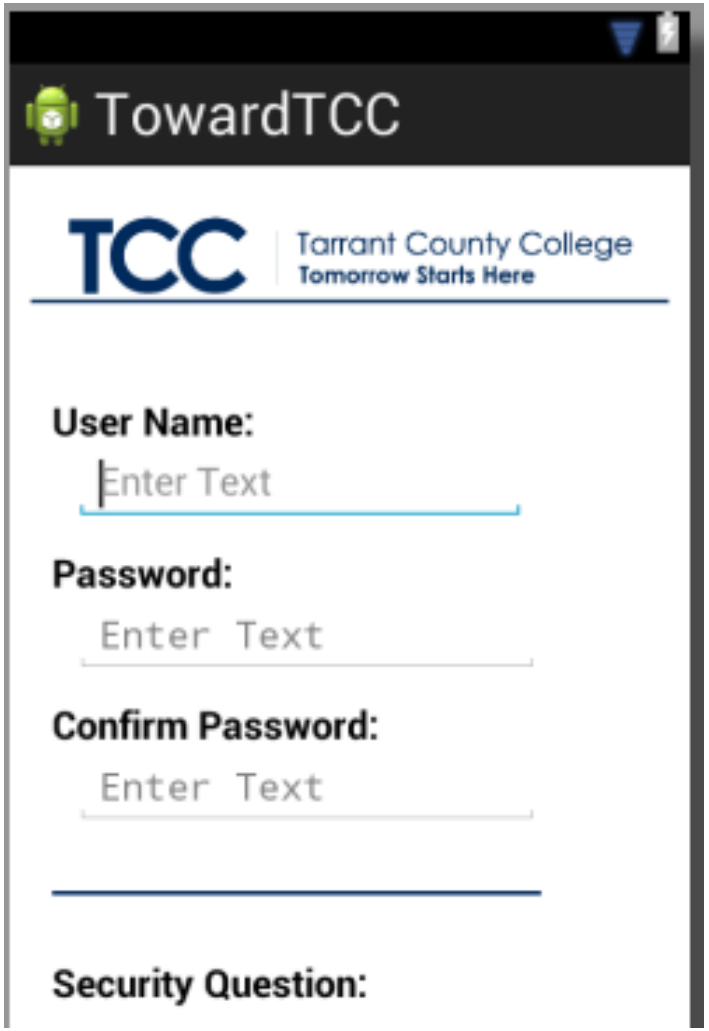
Home screen


Carrier
12:12 PM
Toward TCC
TCC
Tarrant County College
Tomorrow Starts Here
Username
Login
Password
Sign up
Remember me?
OFF
Forgot Password?
Checklist
Career Help
Videos
Apply Now

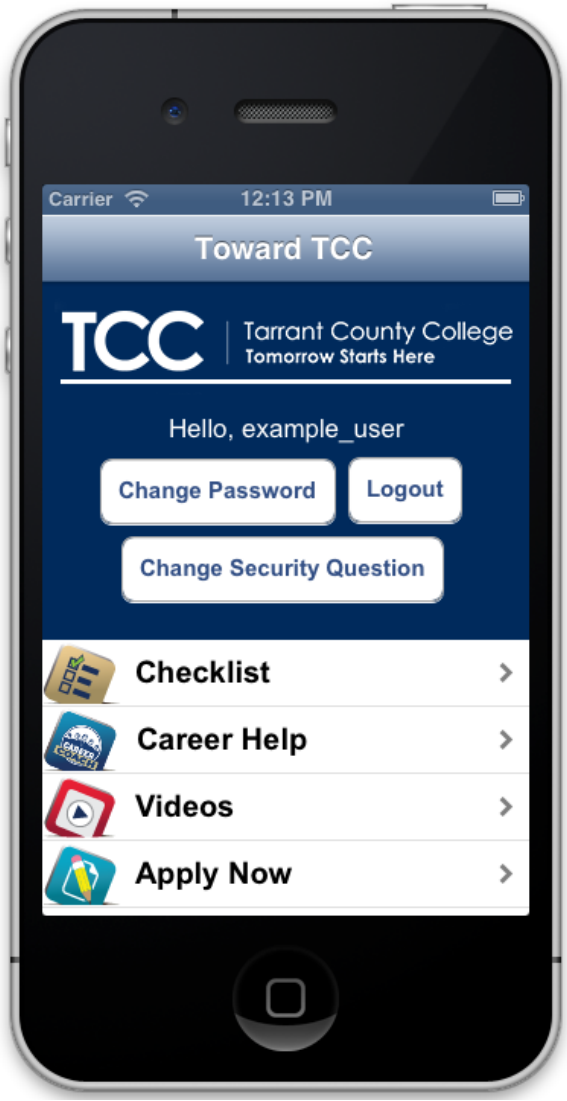

TowardTCC
TCC
Tarrant County College
Tomorrow Starts Here
User Name
Password
Remember Me
Log In
Sign Up
Forgot Password
Checklist
Career
Apply
Videos

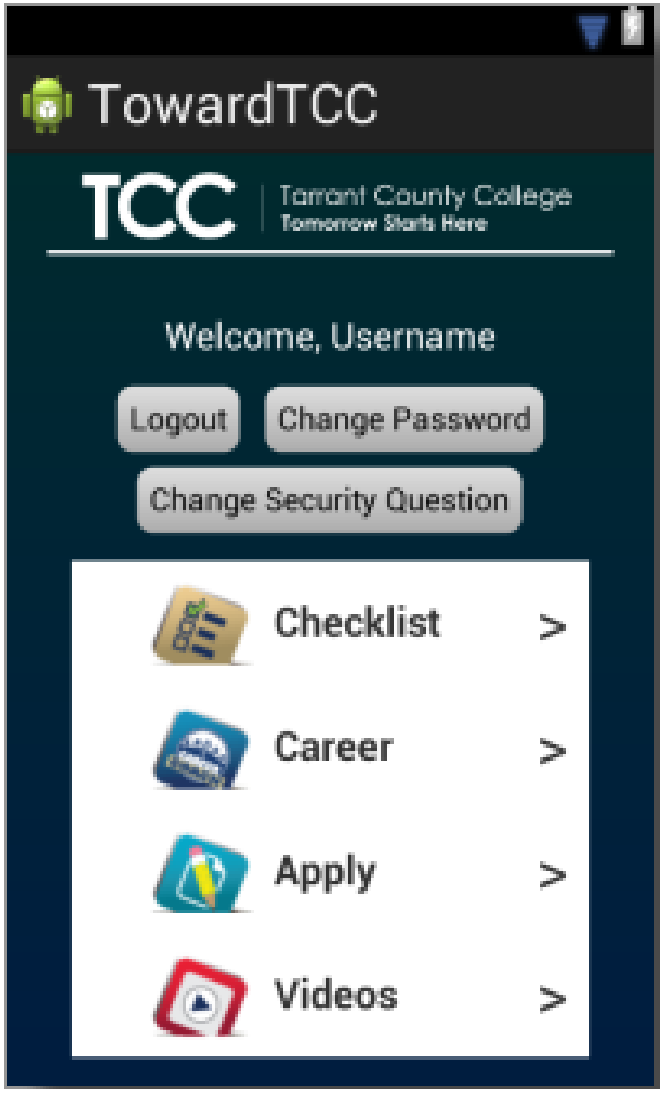
Creating a Profile



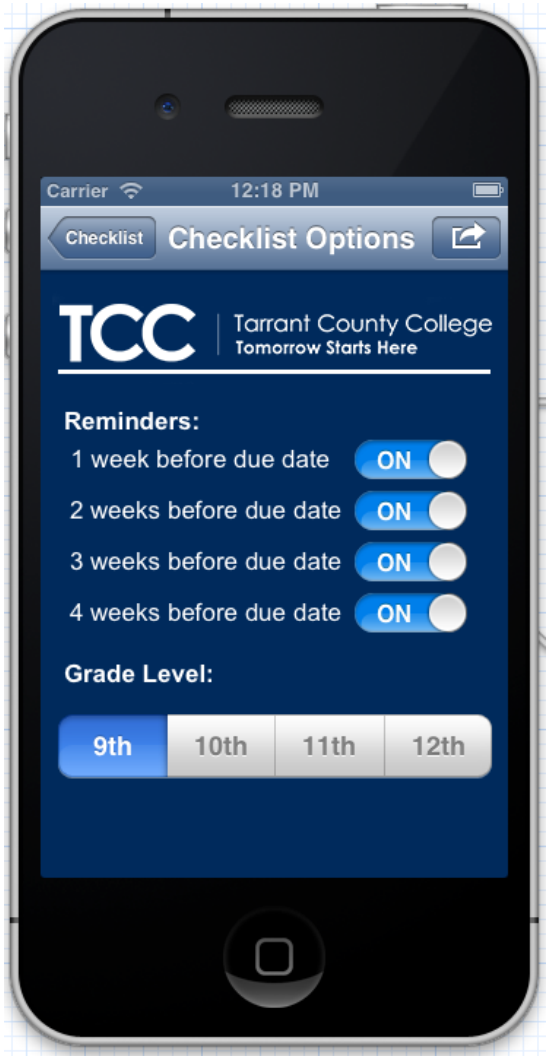


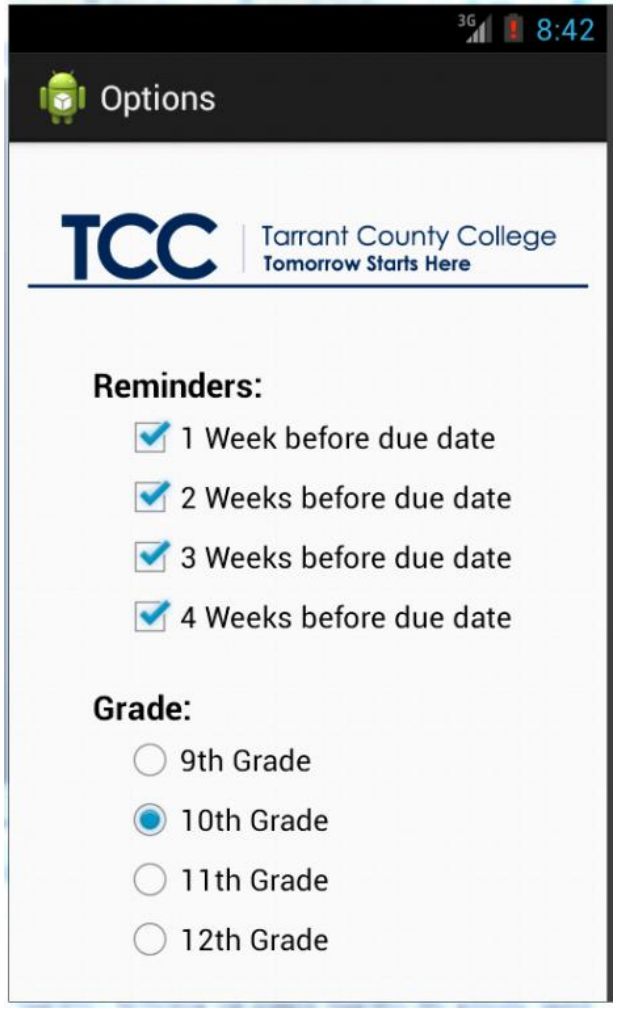
Home screen (logged in)





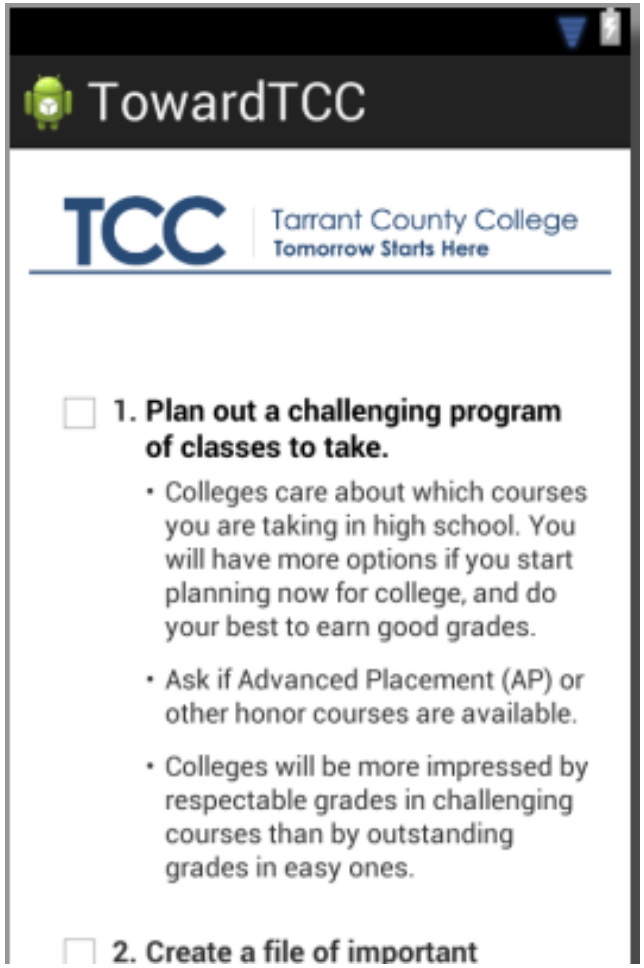
Checklist Options





Checklist

Carrier
12:33 PM
Checklist
9th Grade
TCC
Tarrant County College
Tomorrow Starts Here
1. Plan out a challenging program of classes to take
- Colleges care about which courses you are taking in high school. You will have more options if you start planning now for college, and do your best to earn good grades.
- Ask if Advanced Placement (AP) or other honor courses are available.
- Colleges will be more impressed by respectable grades in challenging courses than by outstanding grades in easy ones.
2. Create a file of important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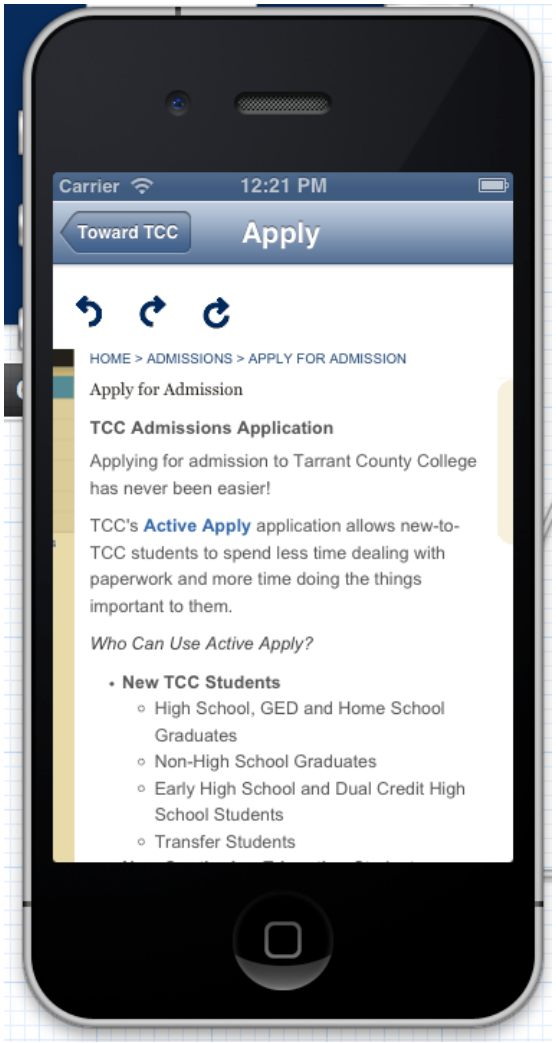
Web Browsing



Results and Conclusions

- Successfully completed web, Android, and iOS applications
- Had the opportunity to do interdisciplinary work alongside a professional graphic designer
- Gained experience gathering requirements and working with a client
- The application is in the user-acceptance testing phase and is planned to release in early May

Questions