There **IS** an App for that!

Bill Needles
PC-Plus!, LLC

June 2018

What else has happened during the talk about an App

2013: Apple released the iPhone 5s

2014: ALS Ice Bucket Challenge

2015: Deflategate with Tom Brady

2016: The Cubs win the World Series

2017: The “Great Eclipse”

2018: The App arrives!

A little about me

- USWA Shop Steward at Blaw Knox, East Chicago 76-78
- IAMAW Machinist: US Steel South Works/EJ&E 78-80
- Microprocessor Design Engineer 1984
  - 3 United States Patents in Circuit Innovation
- Global Vice President Information Systems 1997
- VP & Chief Quality Officer – International Units
- Chief Information Officer, Corporate Vice President 2000

- Volunteer Firefighter – Highland Fire Department
- FEMA NIMS certified: Incident Command

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First ICD work in 2003

- Founded 2004
- Technology: Training, Sales, Service and Consulting
- Video Conferencing systems
- Computer Labs
- Network designs and upgrades
- Security systems and cameras
- New building technology infrastructure
- Software systems

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Fall 2018 Session | **JobLink / Leon Lynch** | **Registration begins July 16, 2018**

Request For Proposal | 219-399-8136 / 219-398-9363 | **Classes may begin August 20, 2018**

Please complete the following information:
(ALL ITEMS IN RED ARE REQUIRED)

All RFPs are due by Apr 30, 2018
RFP extra session TBD

Vendor information associated with the submitted Vendor Code.

Business _____ *Vendor Code* _____ *type in your Vendor Code if not pre- filled in*

Contact _____ *Work Phone* _____ *ext* _____

Course Information
The information you supply may have to be adjusted for the catalog.

Name of Course _____
Caution: Use NO special charcters in Title!

Is this an L&O class? (See discount plan) NO

Weeks of Instruction	**Dates to be skipped, you must include Holidays** *(click in box for calendar)*
# weeks class meets Select	1) _____ 2) _____ 3) _____ 4) _____

2018 Holidays: Monday Jan 15, Friday Mar 30, Monday May 28, Wednesday July 4, Monday Sept 3, Thur/Fri Nov 22-23, Monday Dec 25 (You must include any Holidays in your skipped dates.)

Day(s) of week: First Day _____ (Additional Day) _____ *Minimum Number of Students* Select per day

2018-06-06 18:49:01 **RFP Version 2.0 Search Results. Administrative USE ONLY.**

Course Name: Basic C Programming Semester: Fall2018 Modified: YES Status: Catalog

RFP ID: PC13001-01470	
Submitted Date	2018-05-16 23:01:14
Vendor Code	PC13001
Business/Name	PC-Plus!, LLC
Location	JobLink
Room or Location	Room D
L&O (Telecast)	YES
TAP	Not a TAP Class

PC13001-01470 Cost Information	
Fee Option	Flat Fee
Min Students	5
Max Students	10
Book Cost/Student	$ 0.00
Materials/Student	$ 0.00
Instruction Costs	$ 1080.00
Cost/Student at Minimum	$ 216.00
Cost/Student at Maximum	$ 108.00

Summary Course Information Week(s): 3

Basic C Programming

** FREE CLASS ** JobLink released its App for iPhone during the summer You can learn the basics of Cprogramming while applying the knowledge to a real life task.the App was created and make required updates to the App before submitting an updated version to iTunes. This free class is a great way to be introduced to Apple cell phone App development and C programming, plus you'll be part of the JobLink App development team. **Prerequisites: None**

Tuesdays-October 30 to November 13
9am-12pm or 3pm-6pm
Location: JobLink
Instructor: Bill Needles

Instructor Contact: Bill Needles	
Work Phone	219-595-9001
Cell Phone	219-793-5143
Email	williamneedles@gmail.com

Class Objectives

Why an APP for your Career Development Members

- Problem Statements:
  - Members expect convenient and real time access to information today
  - More tech savvy workforce
  - Competition for a members valuable time

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The History pre 2017

- Failures
- Insufficient sign-ups for the first App class offering
- Often difficult to fill a “software” class
- Fewer new hires in the 2014-2016 timeframe
- Development tools less capable and too geekey
- Explore the purchase of a custom app from an outside firm

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A New Approach

- Run “Free to participate” class open to all
- Lead this development team to:
  - Design the User Interface
  - Identify the Key features
  - Learn about App development
  - Contribute toward the development at their own level
  - Test the beta product
- JobLink took the lead and shouldered the burden of being first
- Leon Lynch Center was the second site to participate

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App Considerations

- Development Model
- Cost to develop
- Cost to own
- Information Volatility
- Data Sources
- One element of your outreach strategy

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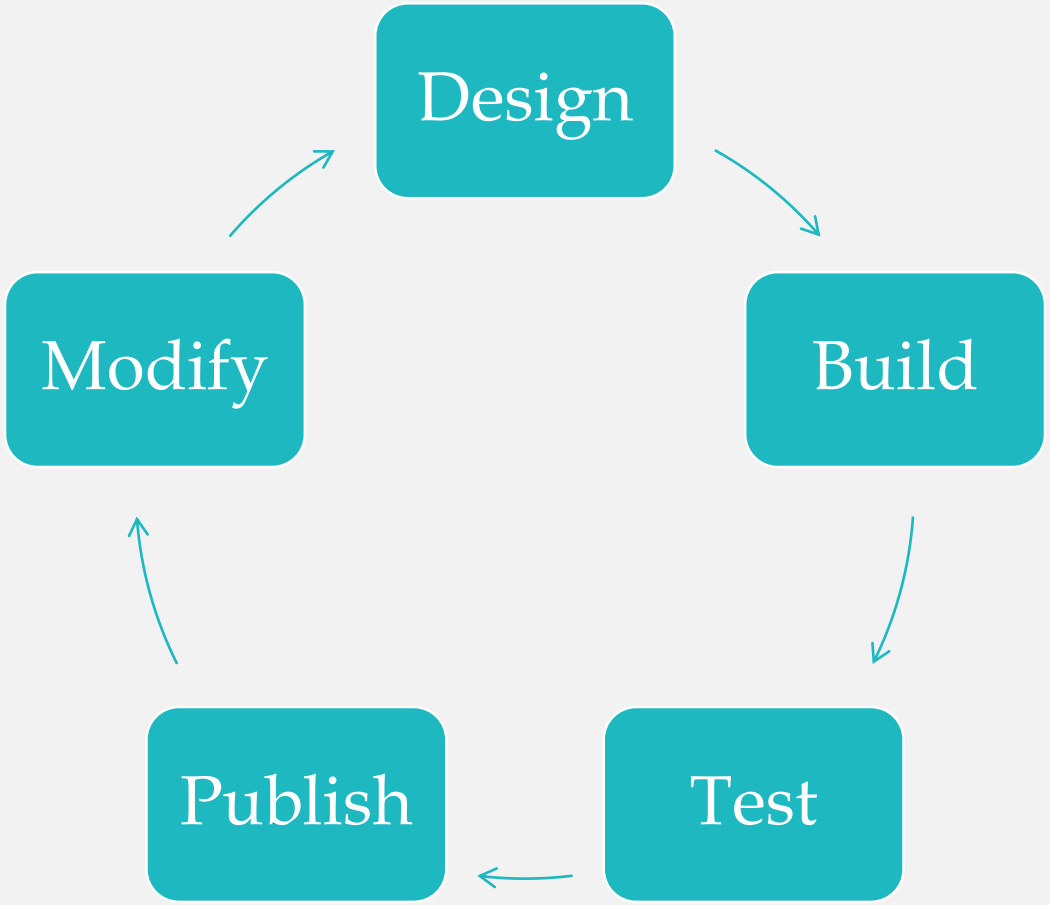
App Life Cycle



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Modification events

- Bugs
- Platform changes
- OS changes and updates
- Feature requests
- Security flaws

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Our Development Goals

- Build an App for iOS "Apple" and Android devices
- Apple First then Android Next
- No Windows App
- Keep the design as modular/reuseable as possible
- Use standard development tools and techniques
- Release to iTunes Store and Google Play Store
- Promote our existing Live and Online "L & O" capability
- Promote existing online registration tools

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HERE ARE THE CURRENT L&O CLASS OFFERINGS.

NEW CLASSES STARTUP YEAR ROUND. LEARNING WHENEVER AND WHEREVER YOU **WANT IT!** ...

SAMPLE CLASSES
HAVE A LOOK!

TAKING STOCK..
WITH TOM COOK - ONLINE NOW

GUITAR - LET'S PLAY THE BLUES
WITH ERIC LAMBERT - ONLINE NOW

BUSINESS PLANNING II
WITH SCOTT WILLIAMS - ONLINE NOW

NETWORK +
WITH BILL NEEDLES - ONLINE NOW

MTE PREP
WITH JOE HYNEK- ONLINE NOW

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July 2018 “Binge” learning using L & O

- Free access to a large part of the L&O library
- Over 750 video segments in the library
- 20+ subjects
- Contact Marcia Taylor or “Chief” Flores

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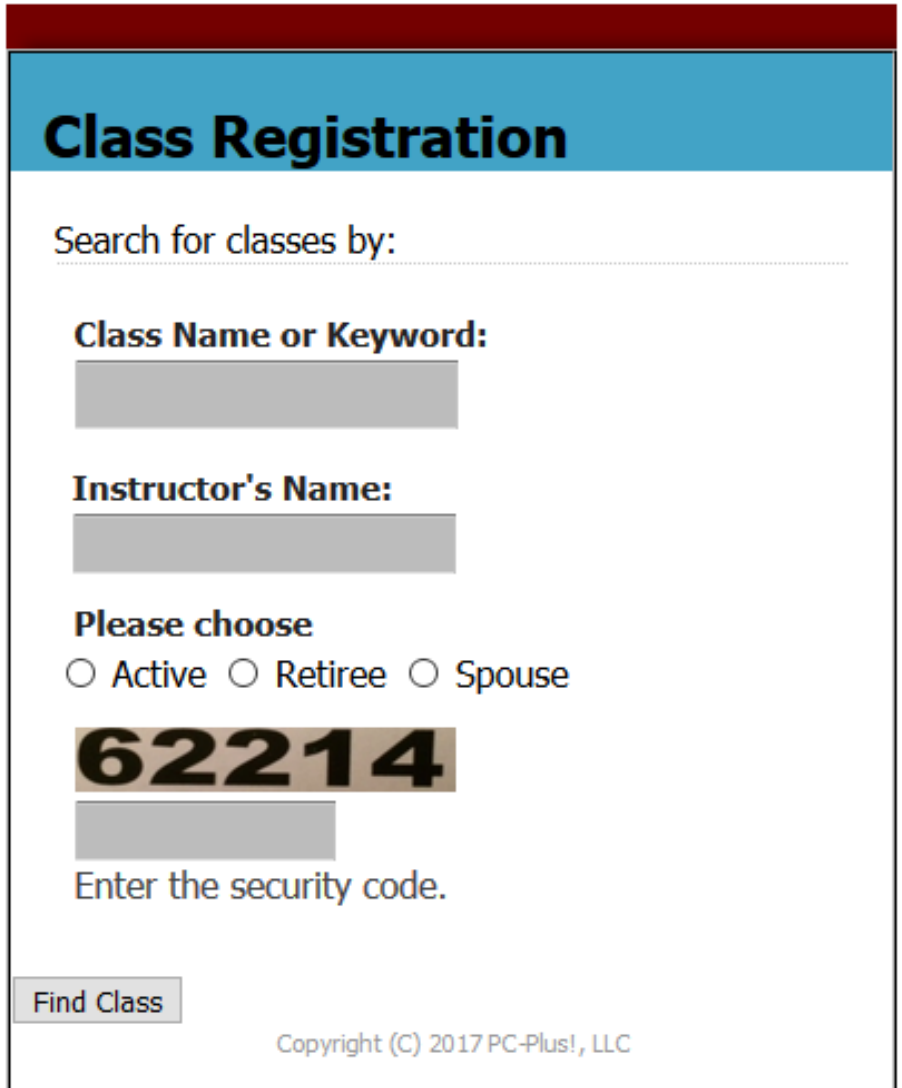
Online Registration Tools



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Early Steps - Brainstorming Sessions

Mytranscript (self created)
Money spent/available
Register through App
My class schedule
Guest access and protected access
Retiree, spouse, first time specific information
Interested list
    Overflow
    Suggestion list
Website integration
Easy to navigate
Class reminders
Auto calendaring

Alerts
Marketing of openings/changes/needs
Consistent theme with existing brand
Class gallery (enhanced descriptions)
Contact info
Maps
Sharing (self generated)
Policy / access information
Staff functions ?
Sorting / searching filters
Weather bar
Social media links / integration

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Early Steps - Brainstorming Sessions

App users notifications

Voice searches

Class notes/resources

- Provided
- Generated

Class feedback

- Suggestion box

Peer to peer class sharing / notifications

Class funds spent /available

Complete class calendar

Click for phone dialer

Click for registration from catalog

Click for additional class information

- Location(s)

Class calendar (myCalendar)

Class size requirements / maximums

Historical transcript for instructors

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Apple Computers vs. Windows

- Multiple week challenge to develop "Apple" skills with the team
- Apple apps must be developed on an Apple® system using Xcode
- Android apps are developed on Windows® platforms using Java

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Software development challenges

- This is not this
- A` is not a ‘
- A ≠ a, but B = B and c = c
- This is right ; this is wrong :
- When in doubt test and then test again
- After that, then ask

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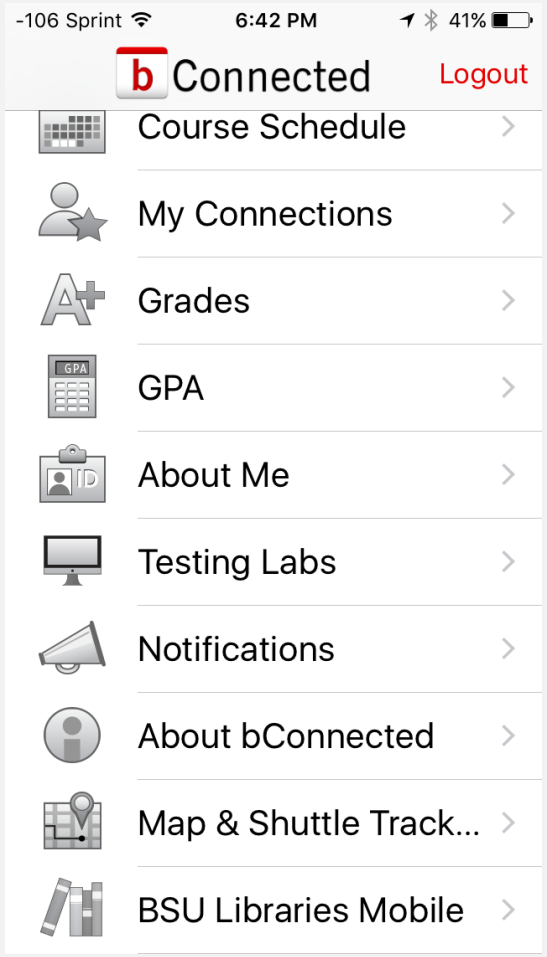
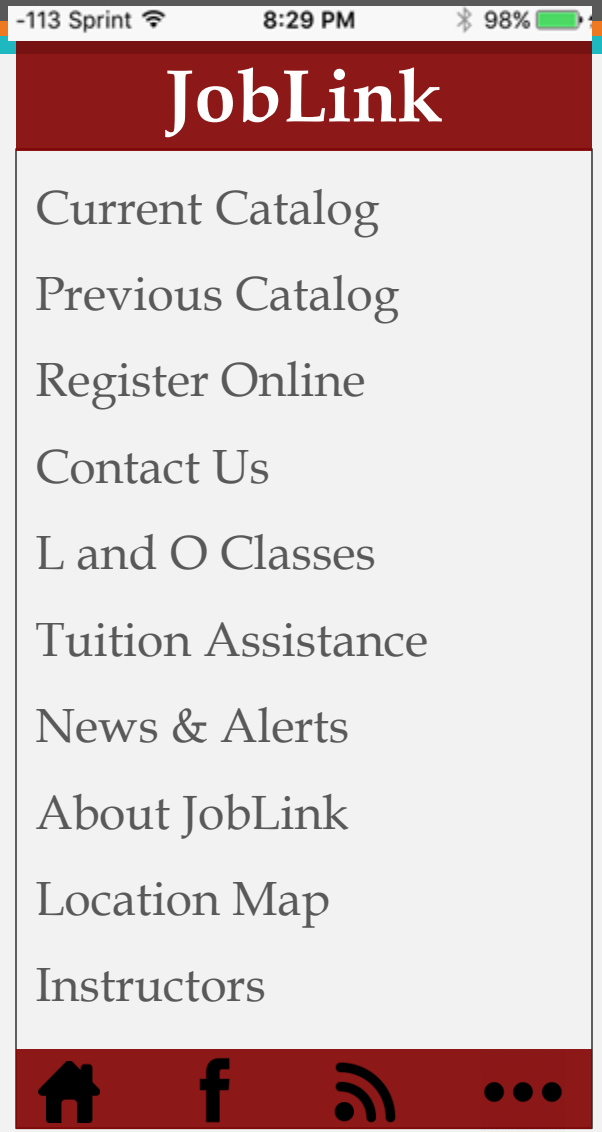
Mock up – Launch Screen



IU App



- Hyperlink
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- ➢ New view
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- Hyperlink
- Navigation aides

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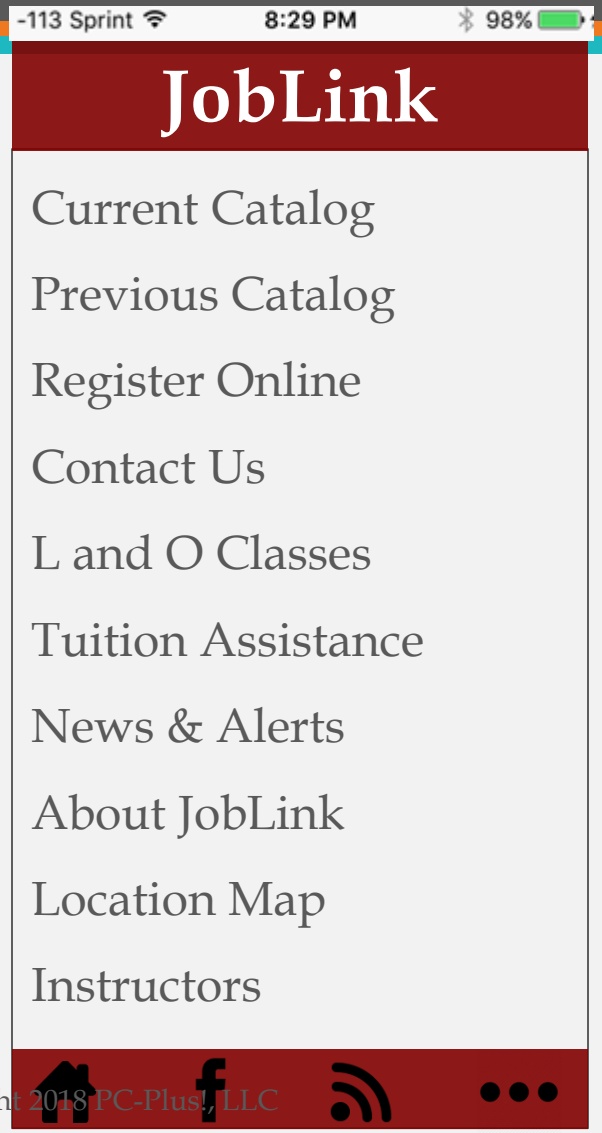

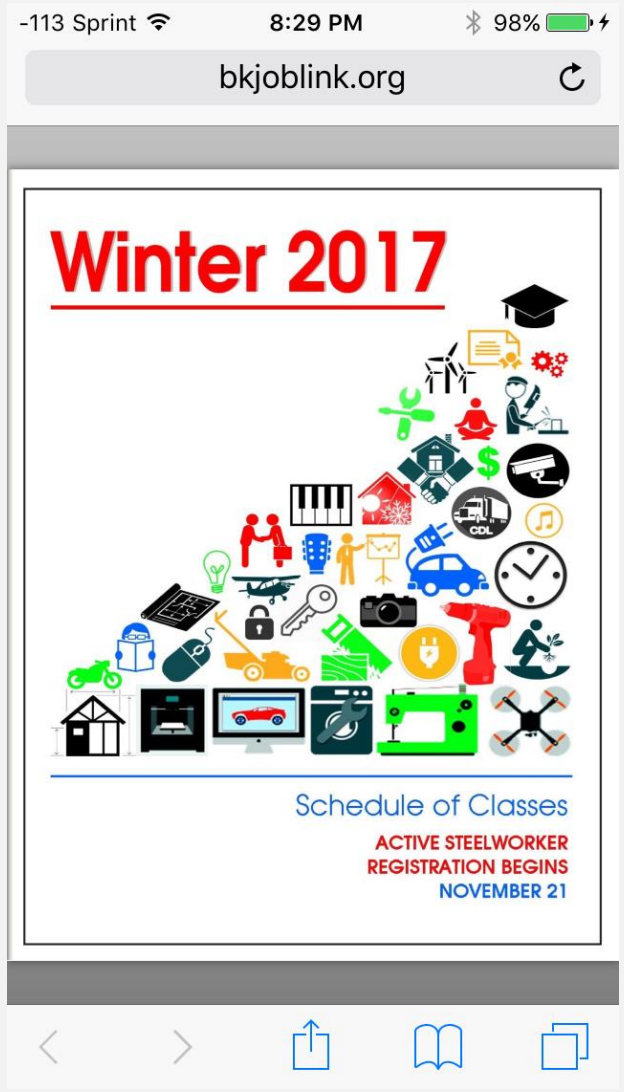

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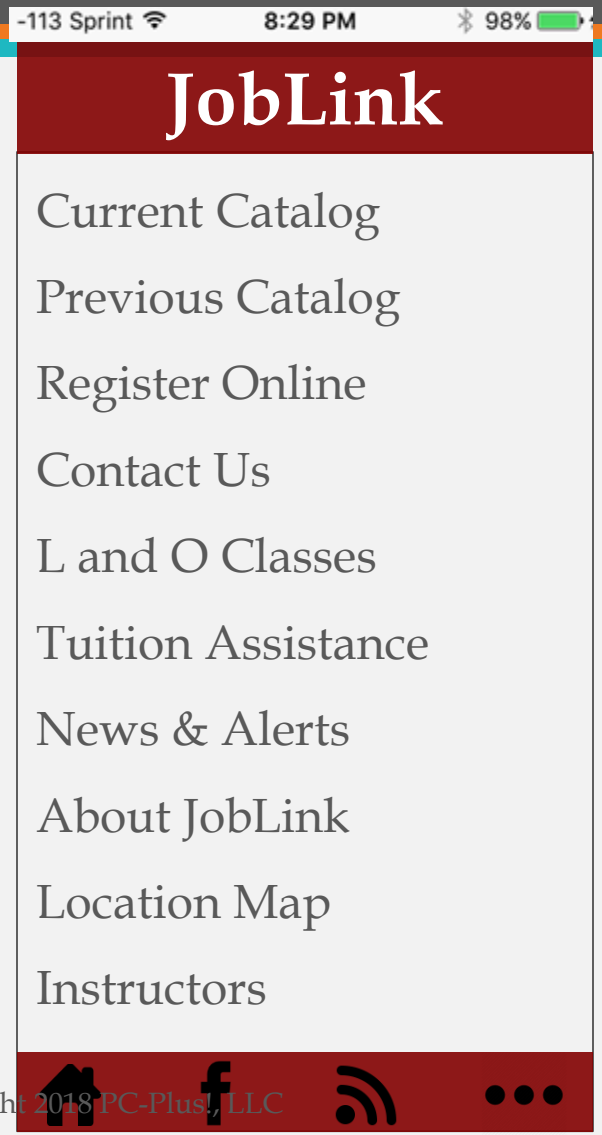

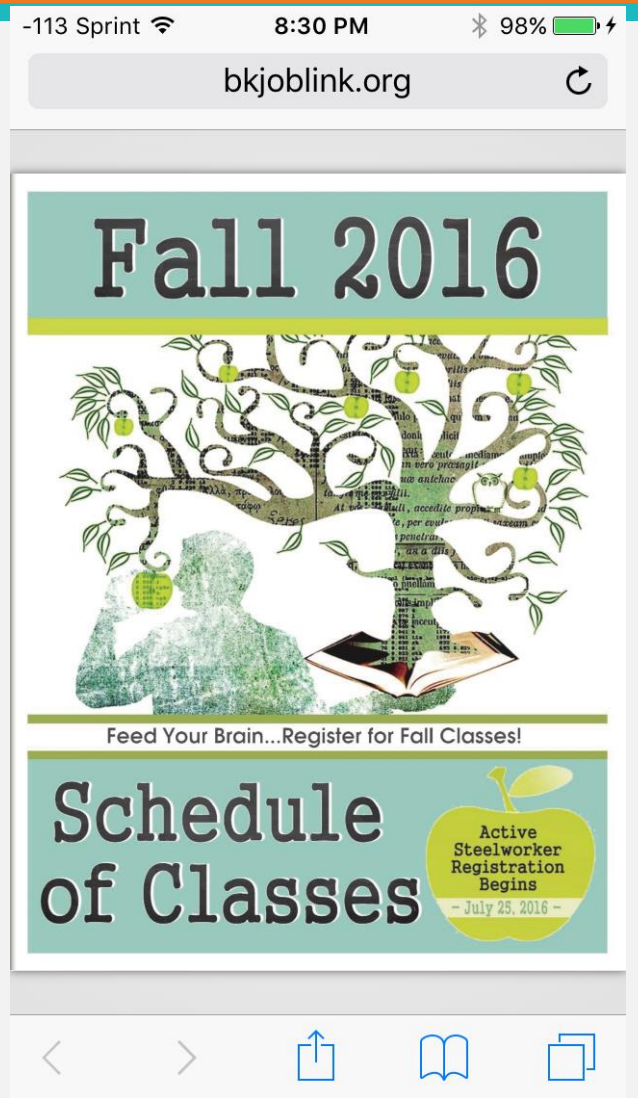

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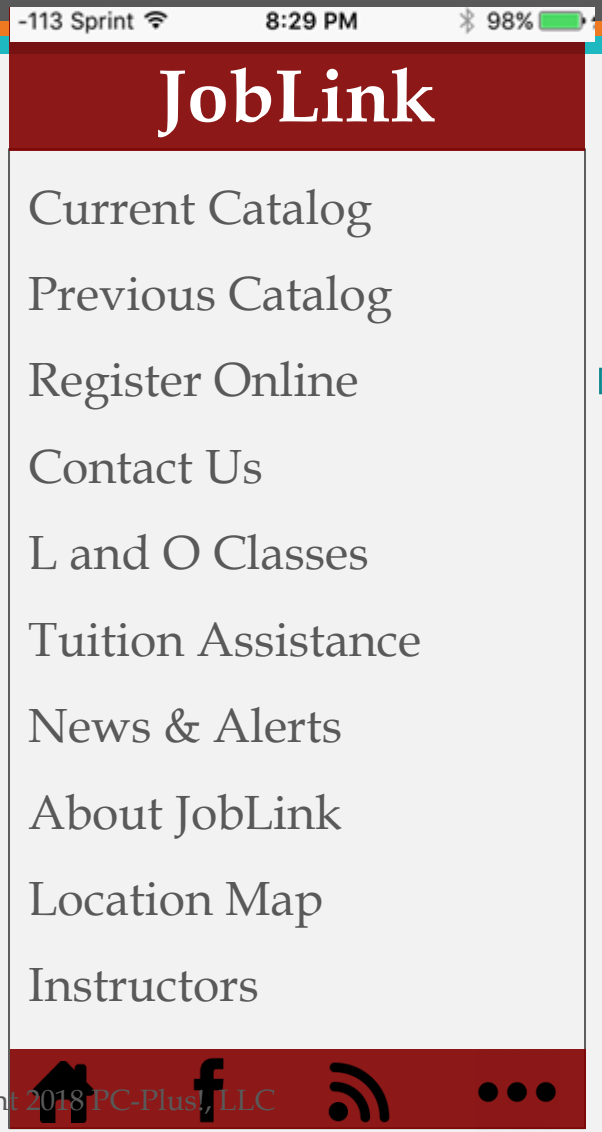

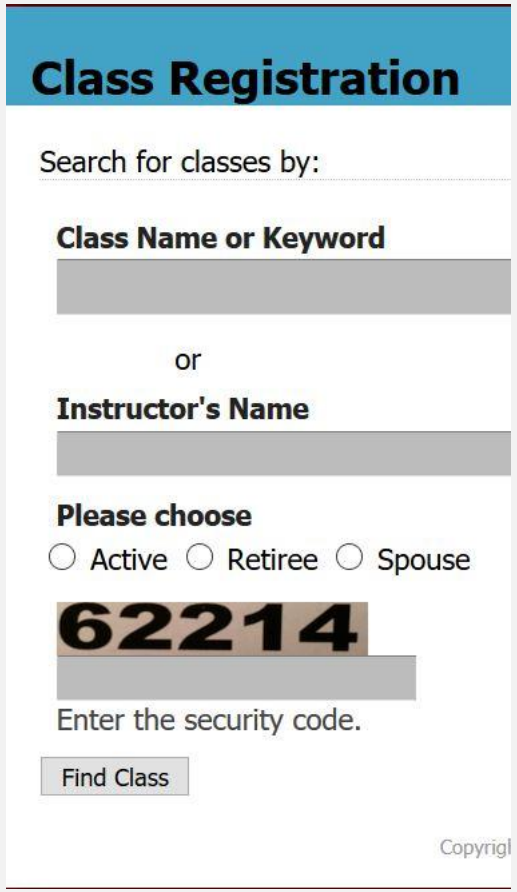

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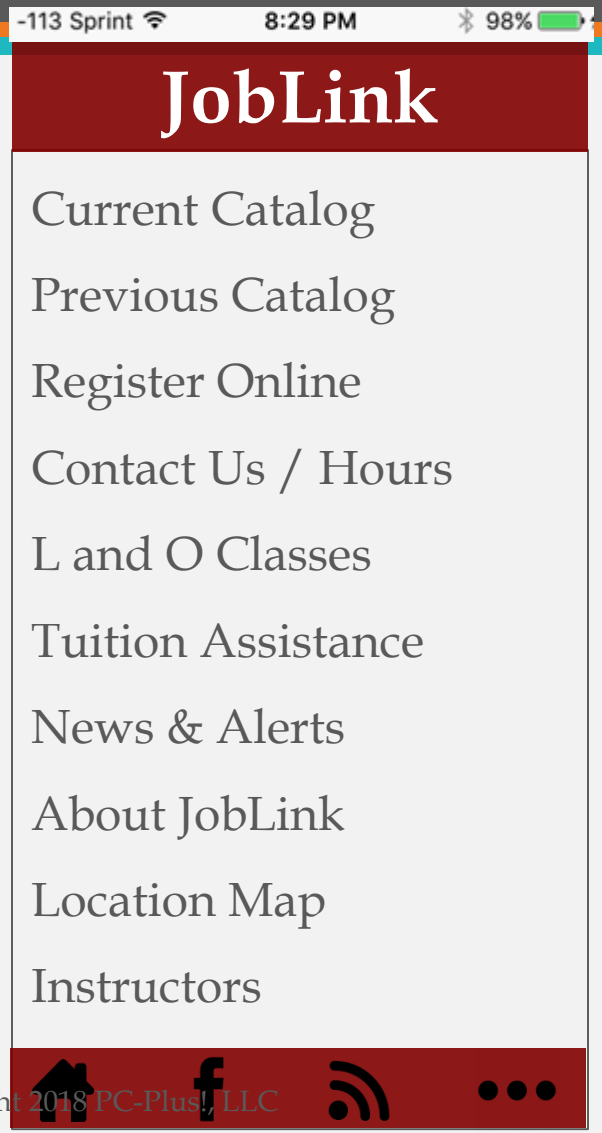

Build into swift code

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Hyperlink to Staff.pdf

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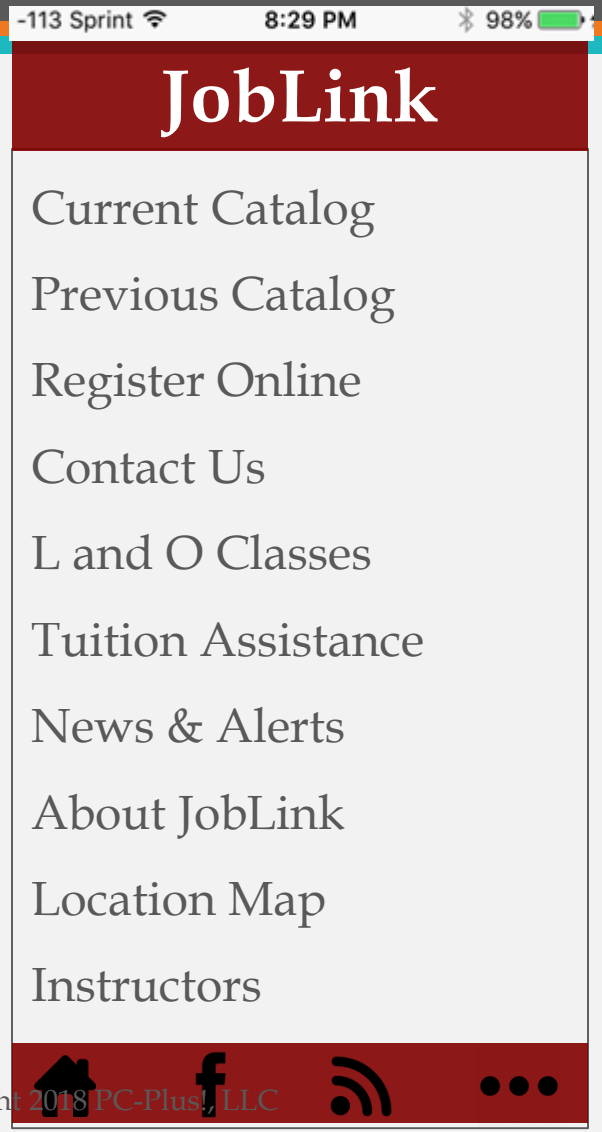

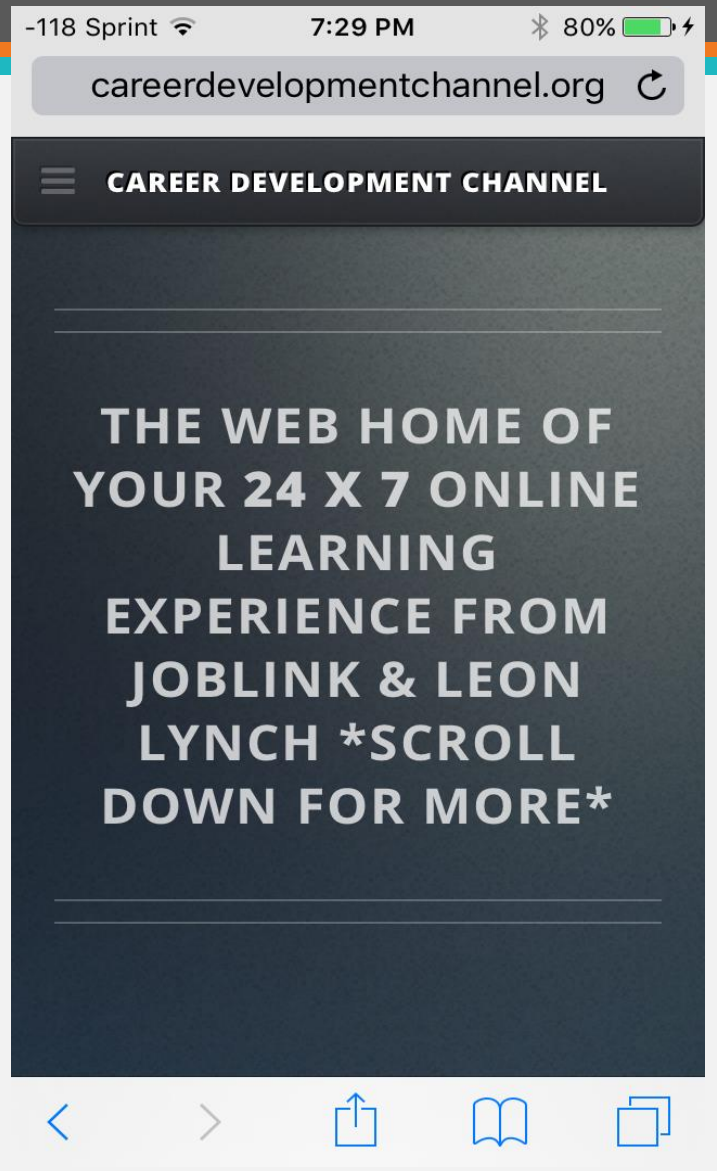

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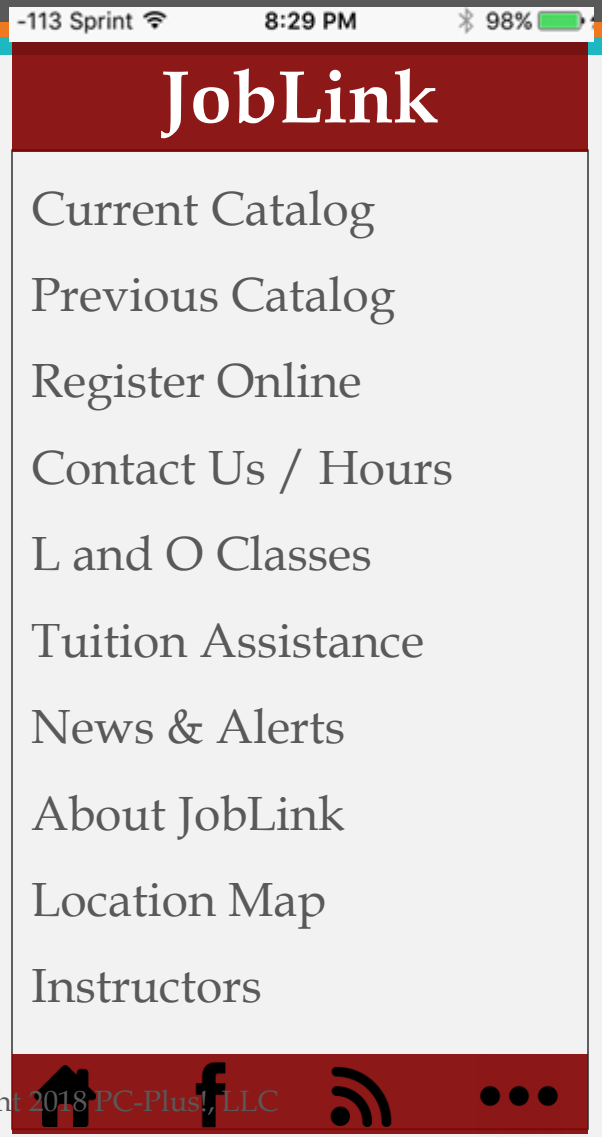

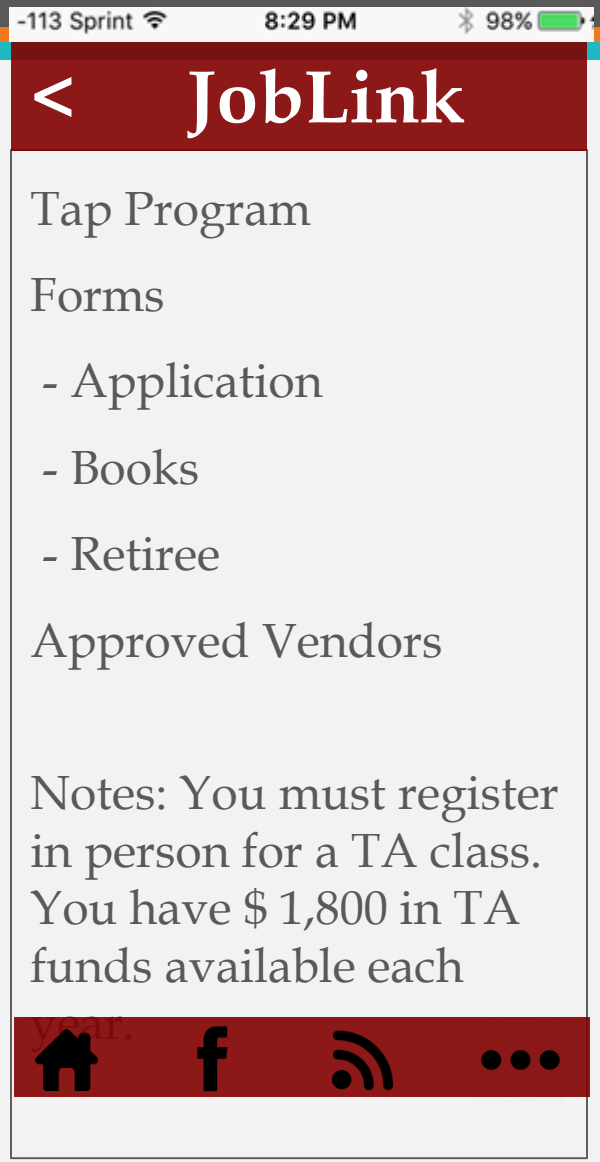

Hyperlinks to existing PDFs on JobLink website.

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Build into swift code

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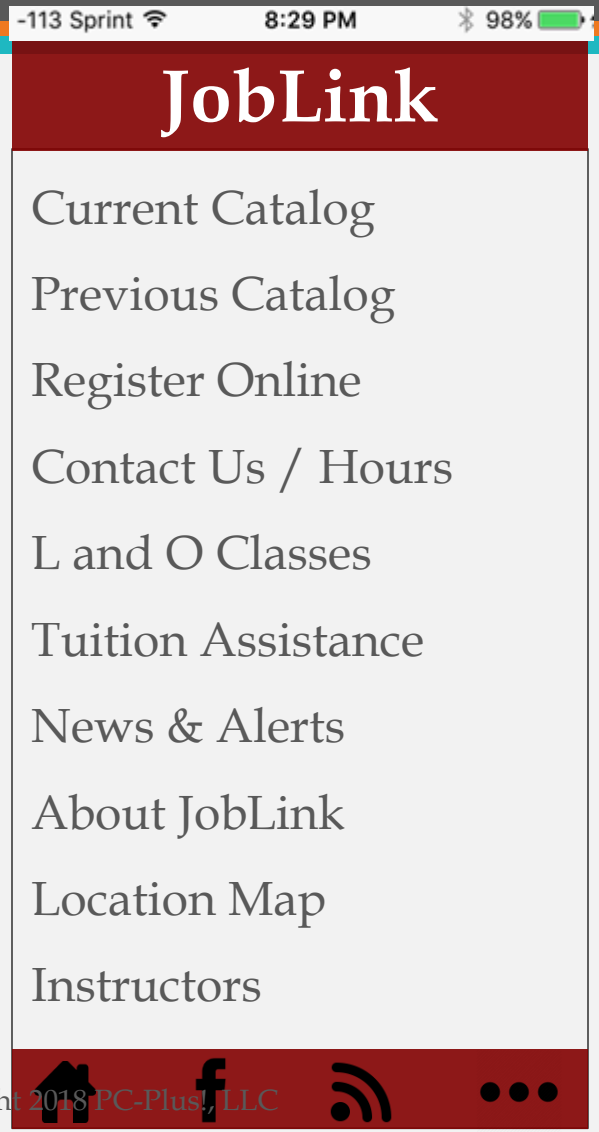

Hyperlinks to dynamic PDFs on JobLink website.

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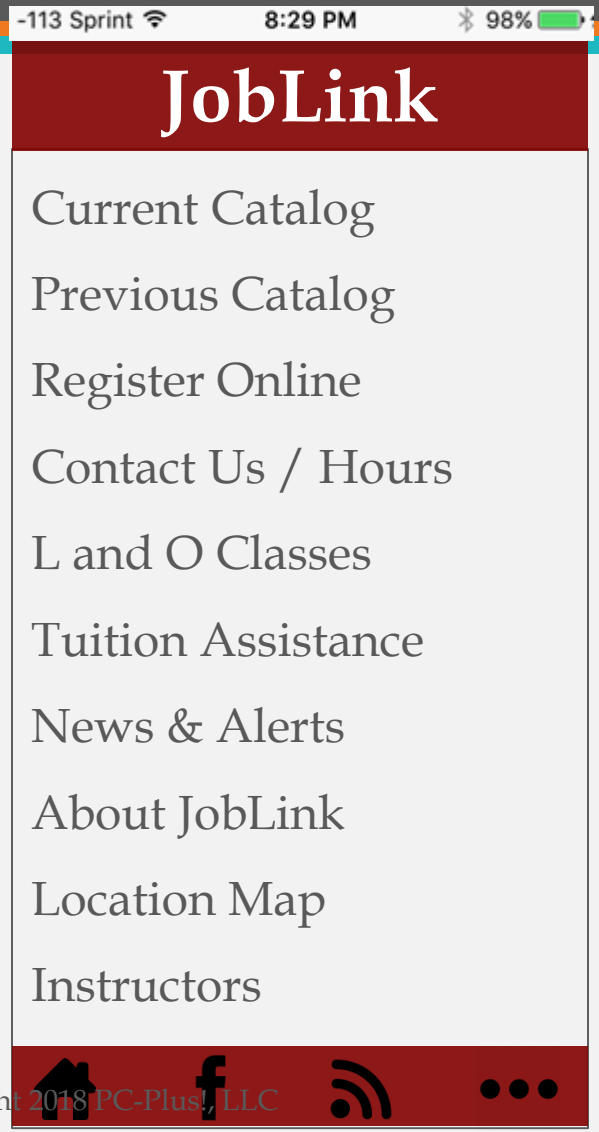

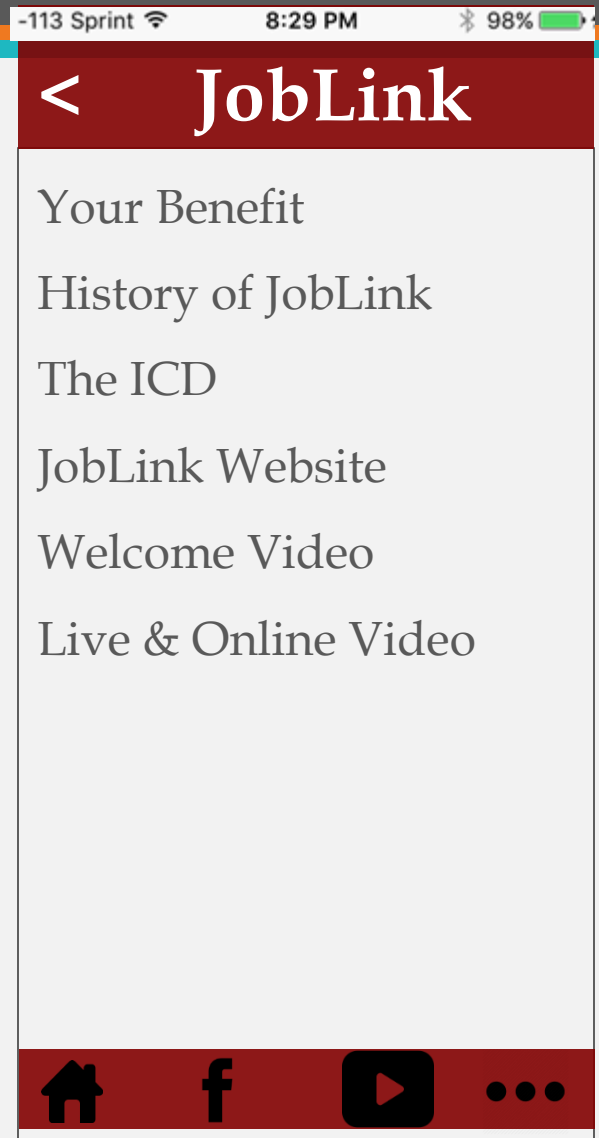

Hyperlinks to dynamic PDFs on JobLink website and/or web sites.

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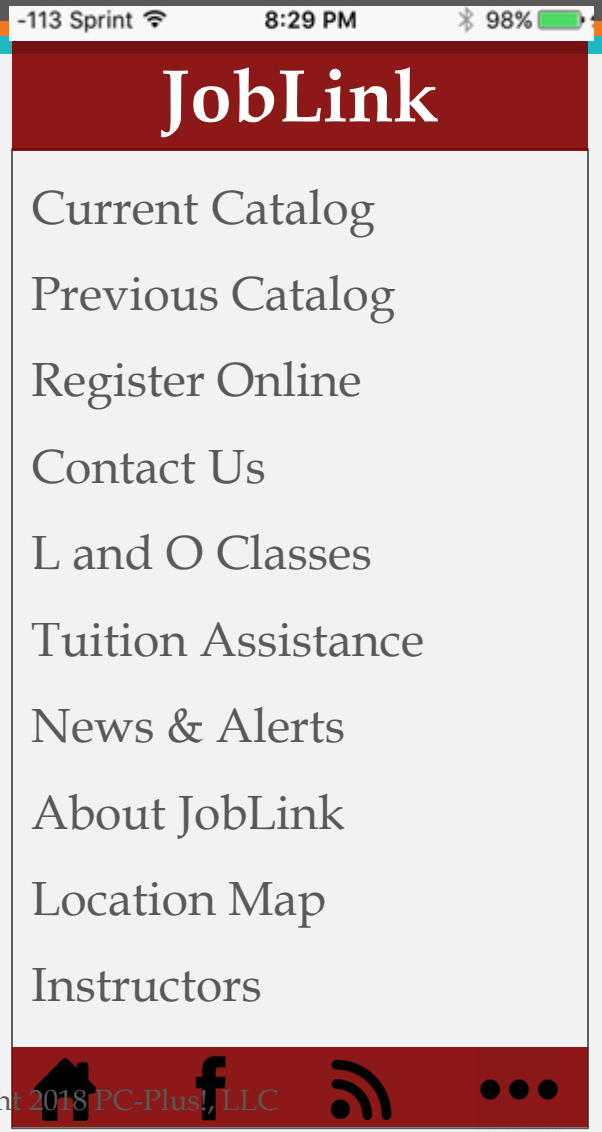

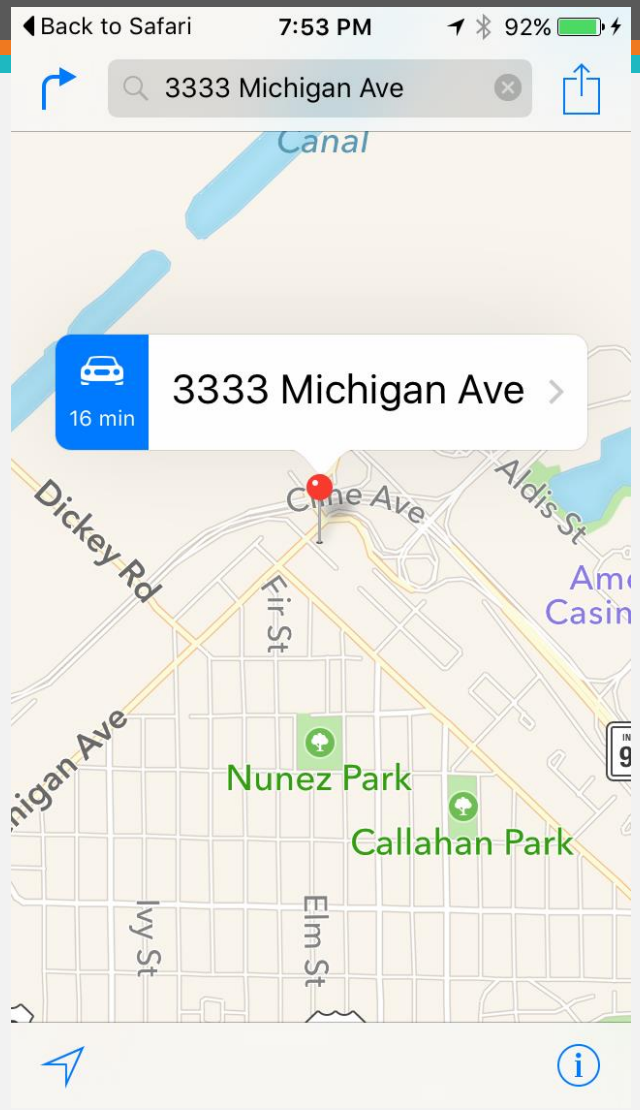

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JobLink

- Current Catalog
- Previous Catalog
- Register Online
- Contact Us
- L and O Classes
- Tuition Assistance
- News & Alerts
- About JobLink
- Location Map
- Instructors

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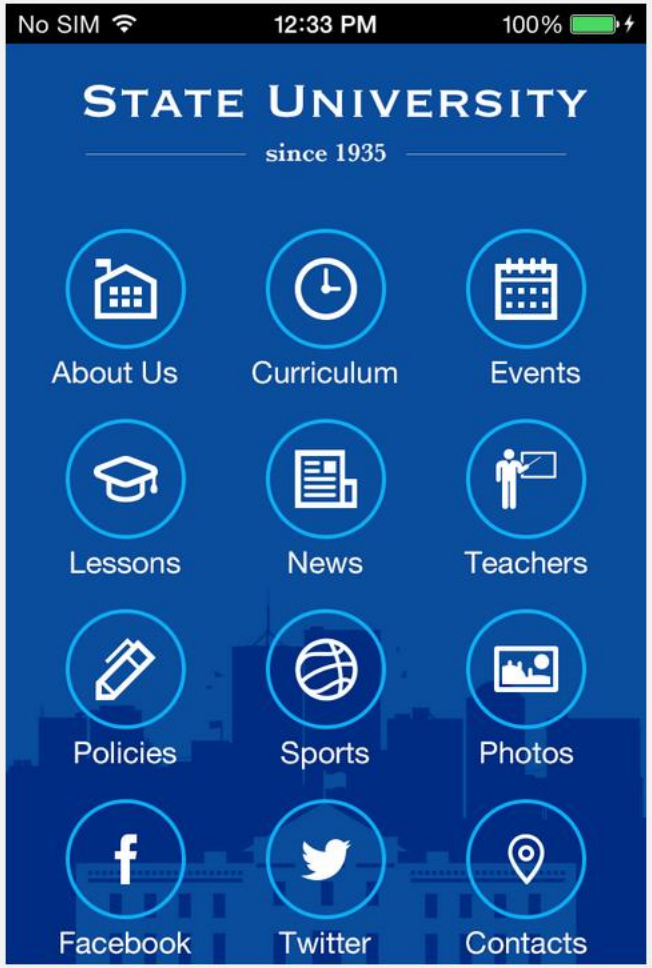
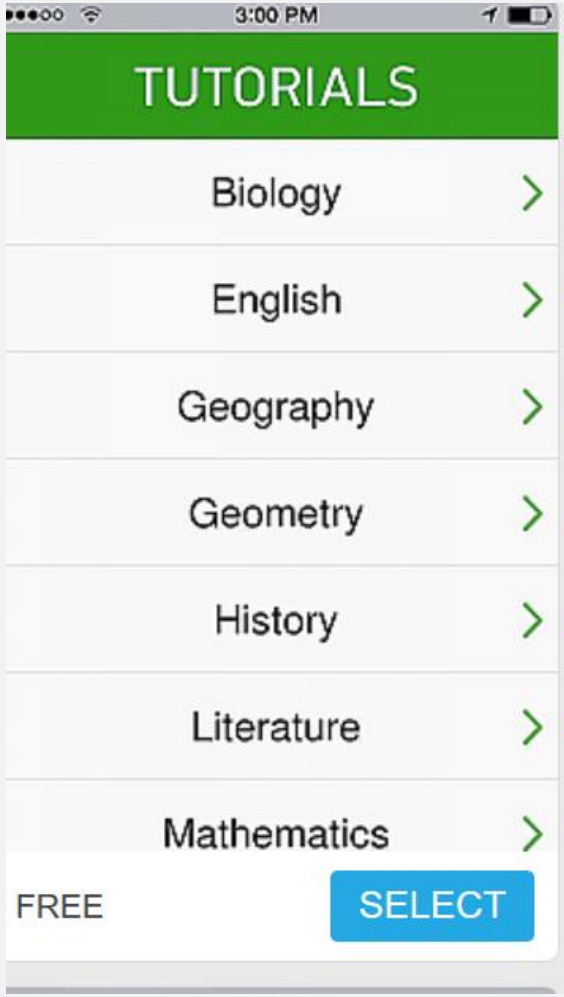
Other UI Launch Page Ideas





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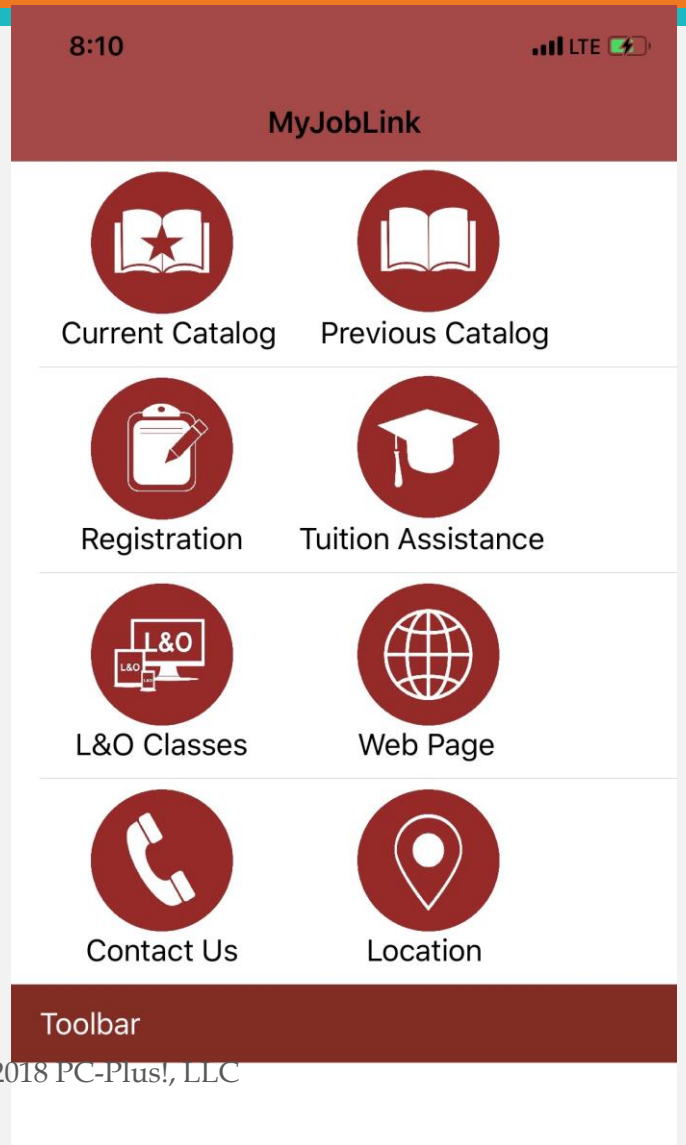
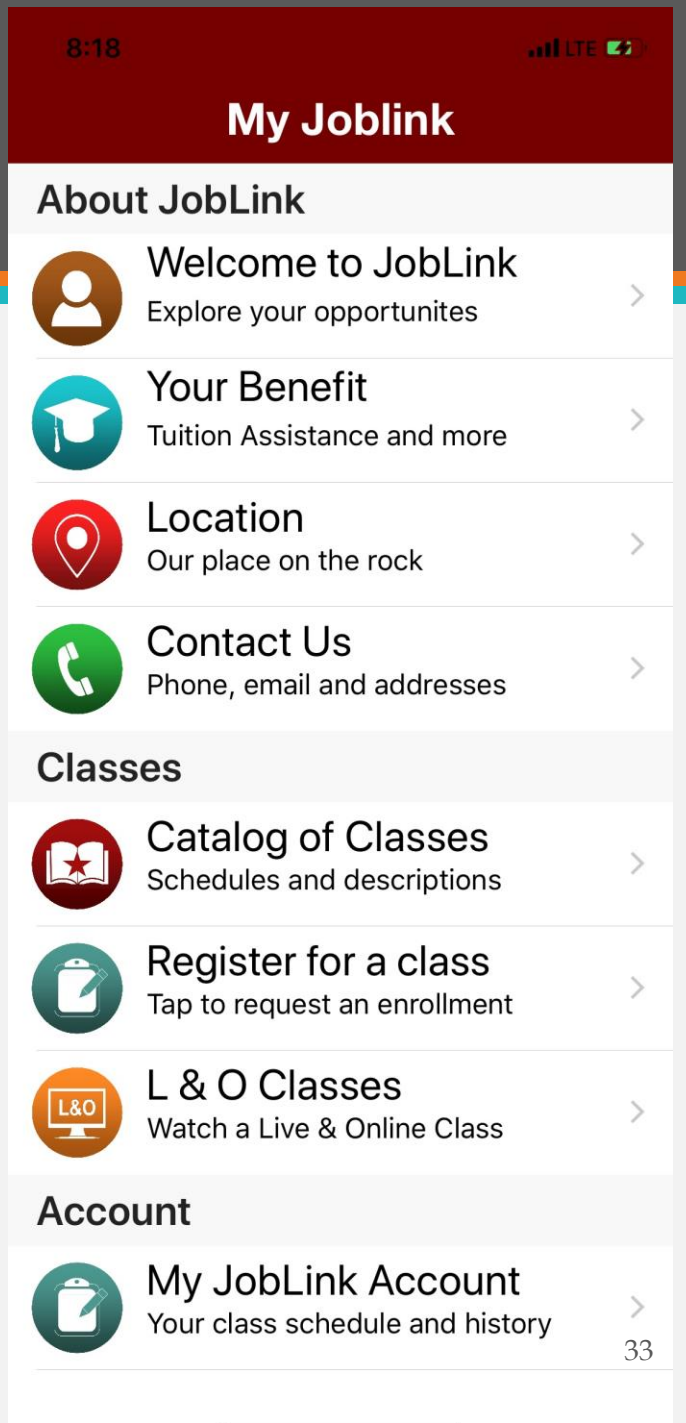
Final UI choices





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Customer Review Checkpoint

1. Design Review
2. Prototype “live” review
3. Modifications made
4. Final design locked in

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Development

- Phase 1 development completed in 6 weeks
  - Basic User Interface completed
  - Multiple scenes designed
- Phase 2 completed following semester
  - Graphic design elements (Thanks Saundra!)
  - Custom code developed
  - UI modifications

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The Disrupter

- App was ready at this point to field test and submit to ITunes
- Early in the brainstorming I offered the idea of “MyJobLink”
- Members should be able to access their personal participation data
- Possibly even self-register for an catalog class?
- Get alerts about Career Center events, classes and opportunities.
- Decided to make a push for these capabilities with ICD
  - Summer 2017

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The ICD Meeting

- Al Long, Sean Hayden, Steve Wagner, Marcia Taylor and myself
- Pitched the idea of member access to their participation data
- Gave a demo of the prototype app
- Reviewed the “big picture” and opportunity
- We specified that the “My” tool be web based

- Buy-in!

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Meeting with ICD and Cimcor

- Provided project outline
- Followed up with our suggested UI design for “My” capability
- ICD negotiated development cost and timeline with Cimcor

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“My” Entry screen

Cimcor deliverables

- Recover password screen & function
- Create an account screen & function
- Account and security logic/process

- *Concerns about consistency of check #s (key field) across all sites!*

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“My” Example screen

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Success!

- Prototype of the “My” capability delivered in April 2018
- Now integrated into the iOS Apple App
- Also available when complete as a stand alone web application

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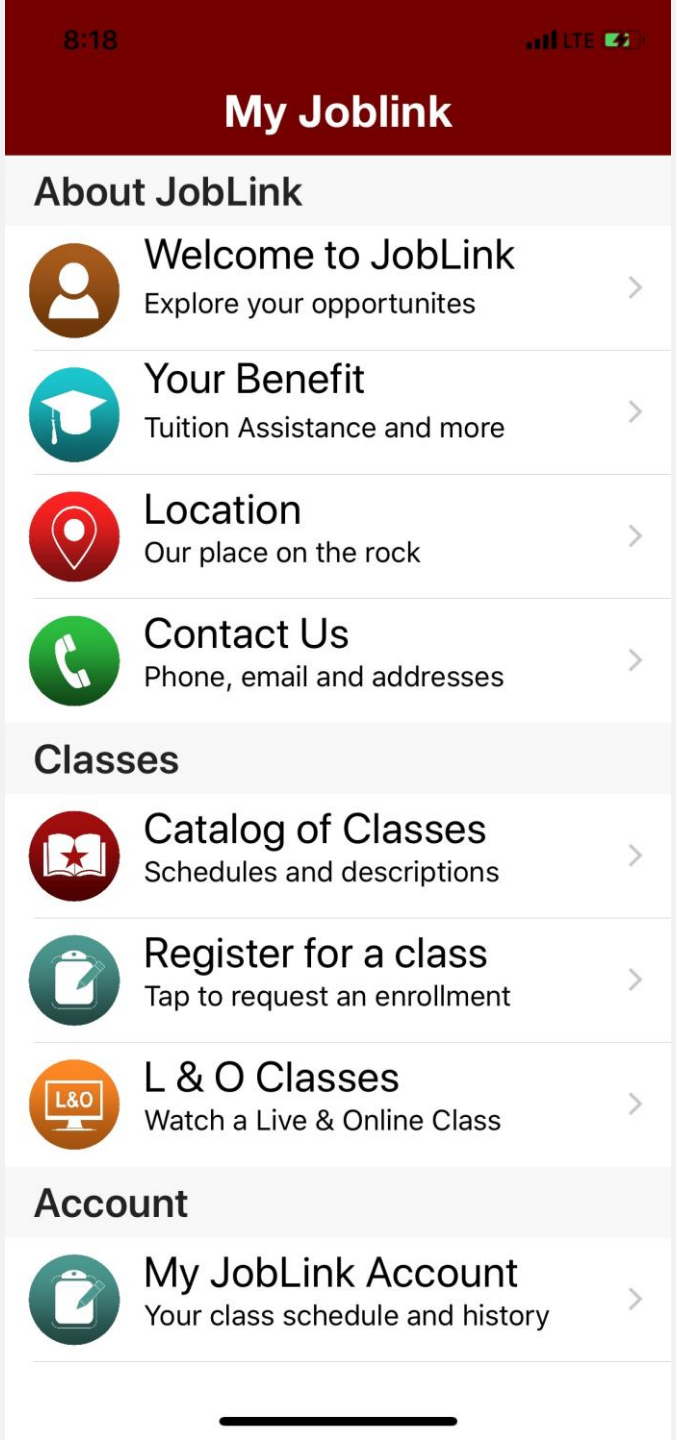
Here it is!

MyJobLink

Let's watch it live on an iPhone X



Where to now?

- Complete small focus group testing
- Release App to iTunes store
- Complete Android version
- Update this fall for O/S updates and republish
- Develop a strategy for adding features

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What can you do?

- Leverage the investment already made by JobLink and Leon Lynch
- Learn about the “My” capability
- Fund your own program for an App

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Cost model

- Up front (using the existing template)
  - 40 – 80 hours
- Annual refresh
  - 10 – 20 hours
- Developer license
  - $25 - $ 100
- Equipment
  - Apple
  - Windows

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Thank you!

Questions and Feedback

Bill Needles

Bill.Needles@PC-PlusUSA.com

219-793-5143

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