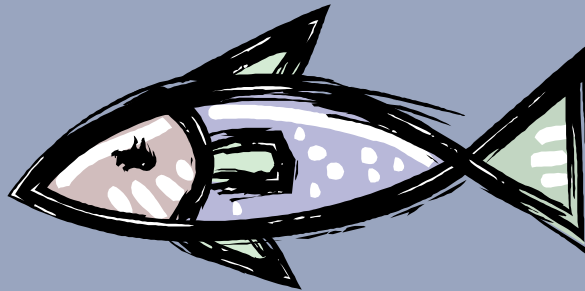


Electronic Field Input System

5

Click to edit Master subtitle style
Carlson, Thomas Flores, and Ralph Parkison



The Problem

- Paper forms submitted via mail
 - Potential for loss
 - Errors during transcription
 - Long time to access the data



2/8/05

Franklin D. Roosevelt Lake Creel Survey Form

Date (mm/dd/yy) 0 5 2 4 1 4										Survey Type 1				Creel Clerk Initials J E M			
Weekday 6										Start Work 0 7 0 0				Page 1 of 2			
Section 1										Finish Work 2 1 0 0				Total hours Creel 10.0			
Start Creel 1 0 0 0										Finish Creel 2 0 0 0							

Comment #	Location	Party #	Party Size	Time Checked	No. of Anglers	Angler Type	Start Time	End Time	Complete Trip	Zipcode	Target Species 1	Target Species 2	Species Caught	Released / Kept	Total Length (mm)	Weight (g)	Species Origin	Mark	Fin Clip	Tag Color	Tag Number
4		3	1330	2	1	0630	1315	1	99206	3	0	3	1/15	EST. 380 mm	2	0	0	0			
					1	0630	1315	1	99206	3	0	3	1/15	EST. 385 mm	2	0	0	0			
					1	0630	1315	1	99206	3	0	3	1/10	EST. 380 mm	2	0	0	0			
5		3	1340	3	1	0700	1320	1	99206	3	0	3	1/8	EST. 370 mm	2	0	0	0			
					1	0700	1320	1	99206	3	0	3	1/8	EST. 380 mm	2	0	0	0			
					1	0700	1320	1	99206	3	0	3	1/8	EST. 385 mm	2	0	0	0			
5		2	1410	2	1	0700	1350	1	99141	3	0	3	0/7				0	0	0	0	No. P.R. 24
					1	0700	1350	2	99141	3	0	3	0/12				0	0	0	0	
		3	1520		1	0800	1510	1	99109	3	0	3	1/3	EST. 386	2	0	0	0	0		
					1	0800	1510	1	99109	3	0	3	1/3	EST. 385	2	0	0	0	0		
					1	0800	1510	1	99109	3	0	3	1/3	EST. 370	2	0	0	0	0		
6		2	1650	2	1	0700	1510	1	99141	3	0	3	1	395	505	2	0	0	0	0	
					1	0700	1510	1	99141	3	0	3	1	385	465	2	0	0	0	0	
												3	1	422	640	2	0	0	0	0	
												3	1	382	465	2	0	0	0	0	
												3	1	425	590	2	0	0	0	0	
												3	1	412	545	2	0	0	0	0	
5		2	1640	2	1	0800	1620	1	99206	3	0	3	1	395	500	2	0	0	0	0	
					1	0800	1620	1	99206	3	0	3	1	390	490	2	0	0	0	0	
												3	1	380	435	2	0	0	0	0	
												3	1	390	485	2	0	0	0	0	
												3	1/10	EST. 387mm	2	0	0	0	0		

Notes:

estimate 1 (122)

Client Requirements

- ▣ Electronic Input System
 - Creel (Top priority)
 - Raw Fish
 - FWIN
- ▣ Easily updatable/maintainable
 - Study needs change over time
- ▣ Fully functional with Database
- ▣ Solution can't depend on an Internet connection

End User

▣ Creel Clerk

- Two types
 - ▣ Stationary
 - ▣ Bus Route
- Trained how to do
- Varying computer



Operating Environment

▣ Getac Tablet

- Windows 7 Professional (64 bit)
- Stylus/On screen keyboard

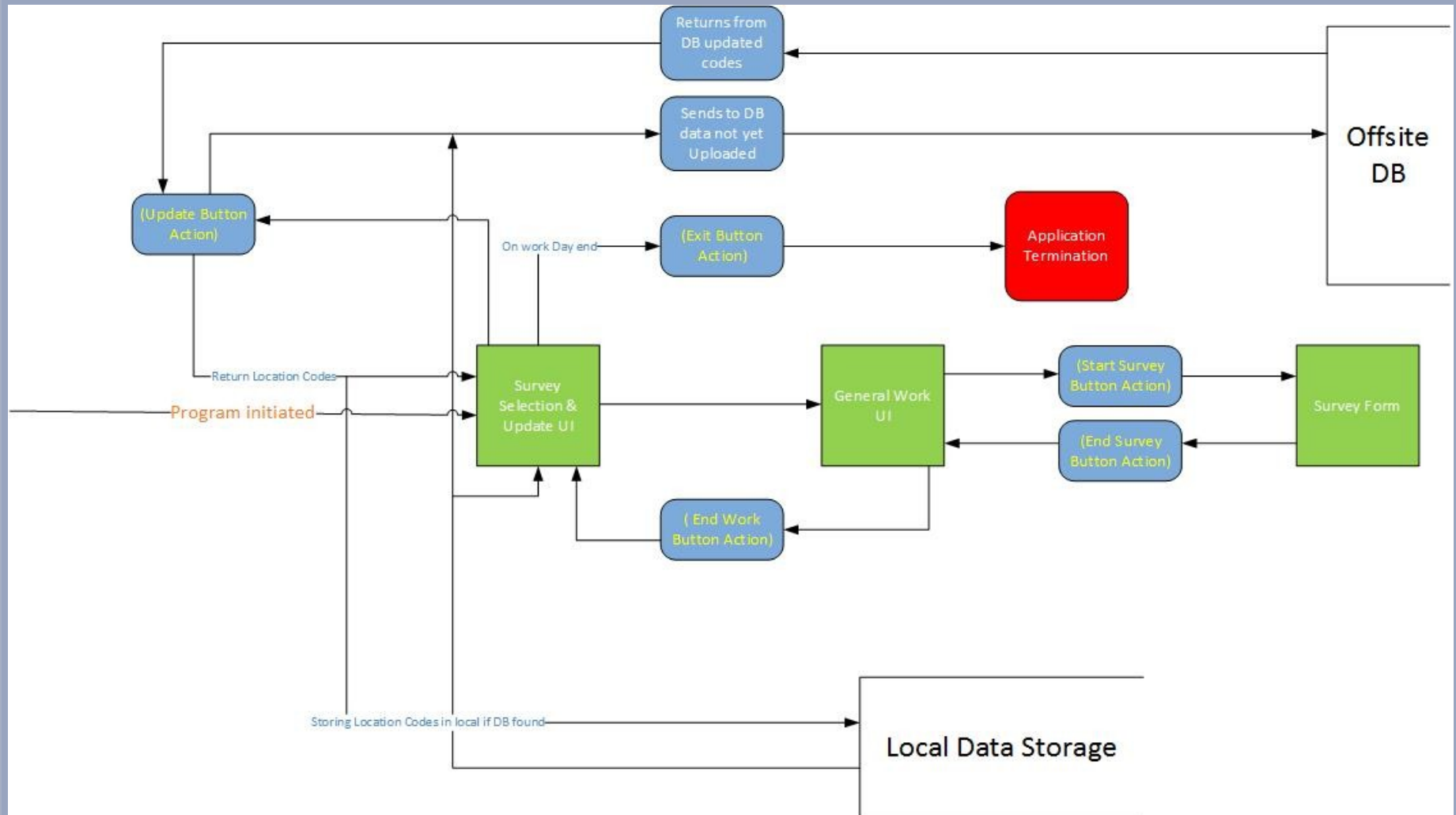


10/29/14

Specifications

- ▣ Windows Application written in C#
- ▣ Store data locally in log files
- ▣ Interact with Database via JSON

Overview of the System



User Interface Mockups

10/29/14

Franklin D. Roosevelt Lake Survey System

What Would You Like To Do?



Unreported Surveys: 3

Tuesday 10/14/2014

Survey Type

Bus

Section

Upper

Work Day Start

Start

Work Day End

End

Tuesday 10/14/2014

Survey Type

Bus

Section

Upper

Work Day Start

8:06

Work Day End

End

Location

Start

End

Parties

Fish

Bus Route 94

8:05

8:55

4

37

Bus Route 95

9:37

10:19

7

31

Bus Route 96

10:53

11:45

2

6

Bus Route 97

12:13

13:08

10

53

Start New Location

Creel Survey #5

Creel Survey Start

8:06

Location

3

Creel Survey End

14:37



Party #3



Party
Size

2

No. of
Anglers

2

Angler
Type

Boat

Start
Time

6:30

End
Time

13:06

Complete
Trip

Y

N

Zip
Code

99801

Target
Species 1

Rainbow Trout

Target
Species 2

Kokanee Salmon



Fish

New Party

End Survey

5th Location

Location Start Time

1 8:06

Location

2 3 - Location Name

Time At Location

3 0:50

5 Party #3

Party Size	No. of Anglers	Angler Type	Start Time	End Time	Complete Trip	Zip Code	Target Species 1	Target Species 2	
62	2	7Boat	86:30	13:06	9.2YN	99801	18Rainbow Trout	Kokanee Salmon	
Species Caught	17Kept / Released	13Total / Length	Weight (g)	Hatchery Origin	Mark / Tag	Fin Clip	Tag Type	Tag Number	Notes
Rainbow Trout	KR	12380 mm	380	YN	YN	YN	18Floy	13ABCDEFGHIJ 1234567890	16📅
Kokanee Salmon	KR	230 mm	97	YN	YN	YN	Add-Fin	ABCDEFGHIJ 1234567890	📅
Rainbow Trout	8.3KR	7							📅
Kokanee Salmon	9.1KR								

14 + Fish

15 New Party

16 End Location

Questions?



10/29/14