

Below are some of my projects that coding and UI design by myself:

1) A Portal web site for office (ectcctv.net)

Implemented:

- **Login authentication**
- **TCP Port Checker** (Testing network TCP port accessibility. A tool for customer's router port-forwarding configuration testing)
- **Customer list and search** (Data real-time fetches from accounting software – Peachtree, Pervasive database, PSQL)
- **Call Log** (A call-in log for 2 telephone lines)
- **Access Log** (A log for all IP address visited this portal server, including visitor's city and ISP)

Backend use:

PHP with Laravel Framework, runs on Apache Web Server (*first version*)

Golang with Revel Framework, a stand-alone program built-in web server (*Second version*)

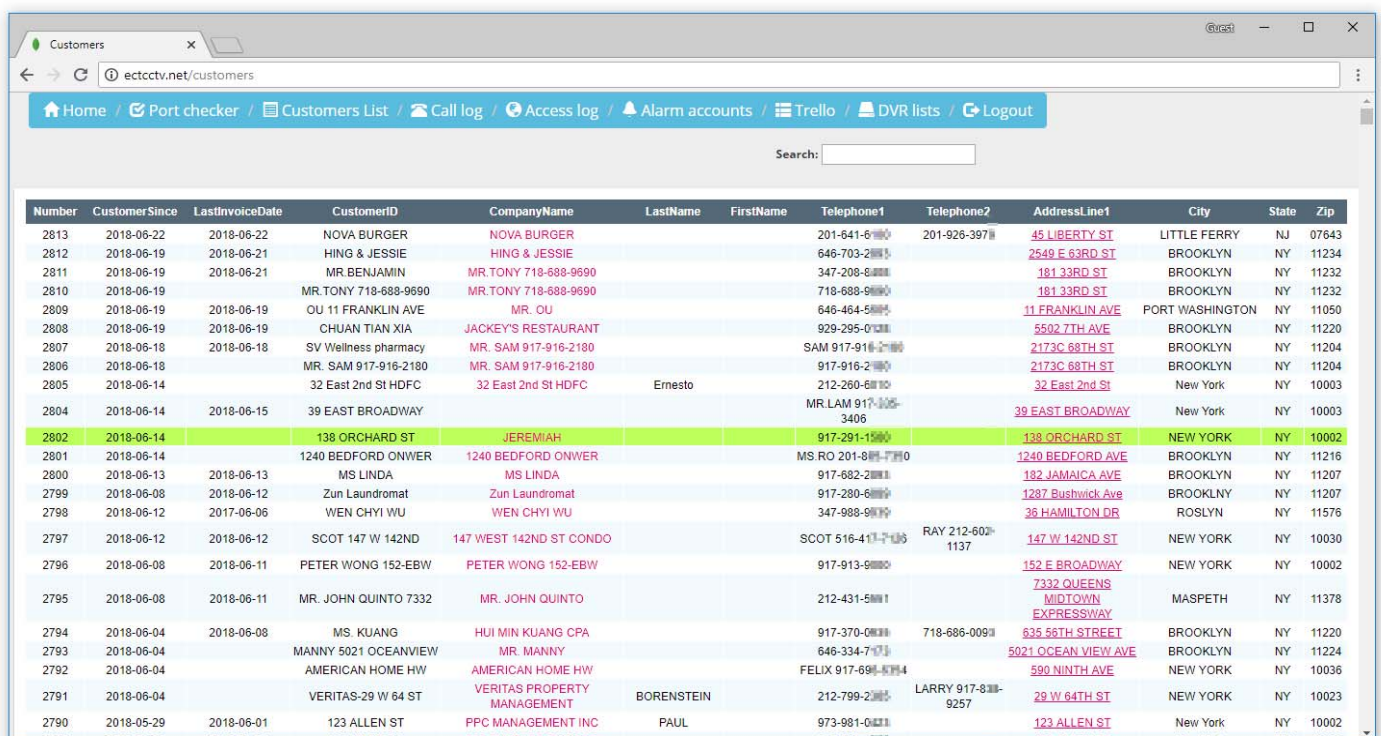
Java with SpringMVC framework, runs on TomCat Server 9.0 (**Current version**)

Frontend use:

HTML/CSS/ Javascript/jquery/Bootstrap/

Pages:

- **Customers List** (Data source: Peachtree Accounting/ Pervasive PSQL Database)



Number	Customer Since	Last Invoice Date	Customer ID	CompanyName	LastName	FirstName	Telephone1	Telephone2	AddressLine1	City	State	Zip
2813	2018-06-22	2018-06-22	NOVA BURGER	NOVA BURGER			201-641-6110	201-926-3971	45 LIBERTY ST	LITTLE FERRY	NJ	07643
2812	2018-06-19	2018-06-21	HING & JESSIE	HING & JESSIE			646-703-2111		2549 E 63RD ST	BROOKLYN	NY	11234
2811	2018-06-19	2018-06-21	MR. BENJAMIN	MR. TONY 718-688-9690			347-208-8111		181 33RD ST	BROOKLYN	NY	11232
2810	2018-06-19		MR. TONY 718-688-9690	MR. TONY 718-688-9690			718-688-9690		181 33RD ST	BROOKLYN	NY	11232
2809	2018-06-19	2018-06-19	OU 11 FRANKLIN AVE	MR. OU			646-464-5111		11 FRANKLIN AVE	PORT WASHINGTON	NY	11050
2808	2018-06-19	2018-06-19	CHUAN TIAN XIA	JACKIE'S RESTAURANT			929-295-0111		5502 7TH AVE	BROOKLYN	NY	11220
2807	2018-06-18	2018-06-18	SV Wellness pharmacy	MR. SAM 917-916-2180			SAM 917-916-2180		2173C 68TH ST	BROOKLYN	NY	11204
2806	2018-06-18		MR. SAM 917-916-2180	MR. SAM 917-916-2180			917-916-2180		2173C 68TH ST	BROOKLYN	NY	11204
2805	2018-06-14		32 East 2nd St HDFC	32 East 2nd St HDFC	Ernesto		212-260-6110		32 East 2nd St	New York	NY	10003
2804	2018-06-14	2018-06-15	39 EAST BROADWAY				MR. LAM 917-306-3406		39 EAST BROADWAY	New York	NY	10003
2802	2018-06-14		138 ORCHARD ST	JEREMIAH			917-291-1500		138 ORCHARD ST	NEW YORK	NY	10002
2801	2018-06-14		1240 BEDFORD ONWER	1240 BEDFORD ONWER			MS RO 201-811-7110		1240 BEDFORD AVE	BROOKLYN	NY	11216
2800	2018-06-13	2018-06-13	MS LINDA	MS LINDA			917-682-2111		182 JAMAICA AVE	BROOKLYN	NY	11207
2799	2018-06-08	2018-06-12	Zun Laundromat	Zun Laundromat			917-280-6111		1287 Bushwick Ave	BROOKLYN	NY	11207
2798	2018-06-12	2017-06-06	WEN CHYI WU	WEN CHYI WU			347-988-9111		38 HAMILTON DR	ROSLYN	NY	11576
2797	2018-06-12	2018-06-12	SCOT 147 W 142ND	147 WEST 142ND ST CONDO			SCOT 516-411-7115	RAY 212-603-1137	147 W 142ND ST	NEW YORK	NY	10030
2796	2018-06-08	2018-06-11	PETER WONG 152-EBW	PETER WONG 152-EBW			917-913-9110		152 E BROADWAY	NEW YORK	NY	10002
2795	2018-06-08	2018-06-11	MR. JOHN QUINTO 7332	MR. JOHN QUINTO			212-431-5111		7332 QUEENS MIDTOWN EXPRESSWAY	MASPETH	NY	11378
2794	2018-06-04	2018-06-08	MS. KUANG	HUI MIN KUANG CPA			917-370-0111	718-686-0093	835 58TH STREET	BROOKLYN	NY	11220
2793	2018-06-04		MANNY 5021 OCEANVIEW	MR. MANNY			646-334-7111		5021 OCEAN VIEW AVE	BROOKLYN	NY	11224
2792	2018-06-04		AMERICAN HOME HW	AMERICAN HOME HW			FELIX 917-696-8114		590 NINTH AVE	NEW YORK	NY	10036
2791	2018-06-04		VERITAS-29 W 64 ST	VERITAS PROPERTY MANAGEMENT	BORENSTEIN		212-799-2111	LARRY 917-833-9257	29 W 64TH ST	NEW YORK	NY	10023
2790	2018-05-29	2018-06-01	123 ALLEN ST	PPC MANAGEMENT INC	PAUL		973-981-0111		123 ALLEN ST	New York	NY	10002
2789	2018-05-20	2018-06-01	123 ALLEN ST	123 ALLEN ST OWNERS			647-450-0111		123 ALLEN ST	New York	NY	10002

- **Access Log** (Data source: ip-api.com, uses http://ip-api.com/json/ real-time parsing visitor's geolocation)

<http://ectcctv.net/accesslog>

The screenshot shows a web browser window with the URL ectcctv.net/accesslog. The page has a navigation bar with links: Home, Port checker, Customers List, Call log, Access log (active), Alarm accounts, Trello, DVR lists, and Logout. Below the navigation bar is a search input field. The main content area displays a table of access logs with the following columns: ID, IP address, Time, Page visited, Country, City, State, and ISP. The table contains 20 rows of data, showing various visitors from different countries like the United States, Vietnam, Brazil, India, Czechia, Greece, Morocco, and Vietnam.

ID	IP address	Time	Page visited	Country	City	State	ISP
17970	24.90.88.111	2018-06-23 22:49:56.0	/accesslog	United States	Brooklyn	New York	Time Warner Cable
17969	24.90.88.111	2018-06-23 22:49:48.0	/accesslog	United States	Brooklyn	New York	Time Warner Cable
17968	24.90.88.111	2018-06-23 22:49:44.0	/login	United States	Brooklyn	New York	Time Warner Cable
17967	24.90.88.111	2018-06-23 22:49:41.0	/accesslog	United States	Brooklyn	New York	Time Warner Cable
17966	24.90.88.111	2018-06-23 22:49:37.0	/login	United States	Brooklyn	New York	Time Warner Cable
17965	14.189.7.0	2018-06-23 22:43:32.0	/	Vietnam	Hanoi	Thanh Pho Ha Noi	Vietnam Posts And Telecommunications Group
17964	177.91.116.116	2018-06-23 22:40:55.0	/	Brazil	Itabira	Minas Gerais	Wave Up Telecom Brasil Ltda
17963	117.196.232.10	2018-06-23 22:39:13.0	/	India	Hapur	Uttar Pradesh	BSNL
17962	184.72.115.35	2018-06-23 22:35:47.0	/port	United States	Ashburn	Virginia	Amazon.com
17961	90.176.226.52	2018-06-23 22:35:20.0	/	Czechia	Prague	Hlavni mesto Praha	O2 Czech Republic
17960	24.90.88.111	2018-06-23 22:29:08.0	/port/check	United States	Brooklyn	New York	Time Warner Cable
17959	24.90.88.111	2018-06-23 22:29:08.0	/port/check	United States	Brooklyn	New York	Time Warner Cable
17958	24.90.88.111	2018-06-23 22:29:08.0	/port/check	United States	Brooklyn	New York	Time Warner Cable
17957	24.90.88.111	2018-06-23 22:29:08.0	/port/check	United States	Brooklyn	New York	Time Warner Cable
17956	24.90.88.111	2018-06-23 22:29:07.0	/port	United States	Brooklyn	New York	Time Warner Cable
17955	222.252.196.86	2018-06-23 22:17:39.0	/	Vietnam	Thanh Pho Hai Duong	Tinh Hai Duong	Vietnam Posts And Telecommunications Group
17954	91.140.83.245	2018-06-23 22:14:56.0	/	Greece	Athens	Attica	Wind Hellas Telecommunications SA
17953	196.206.74.77	2018-06-23 22:11:53.0	/	Morocco	Fes	Fes-Meknes	Maroc Telecom
17952	67.40.82.137	2018-06-23 22:08:33.0	/	United States	Yuma	Arizona	CenturyLink
17951	171.250.73.158	2018-06-23 22:01:38.0	/	Vietnam	Ho Chi Minh City	Ho Chi Minh City	Viettel Group

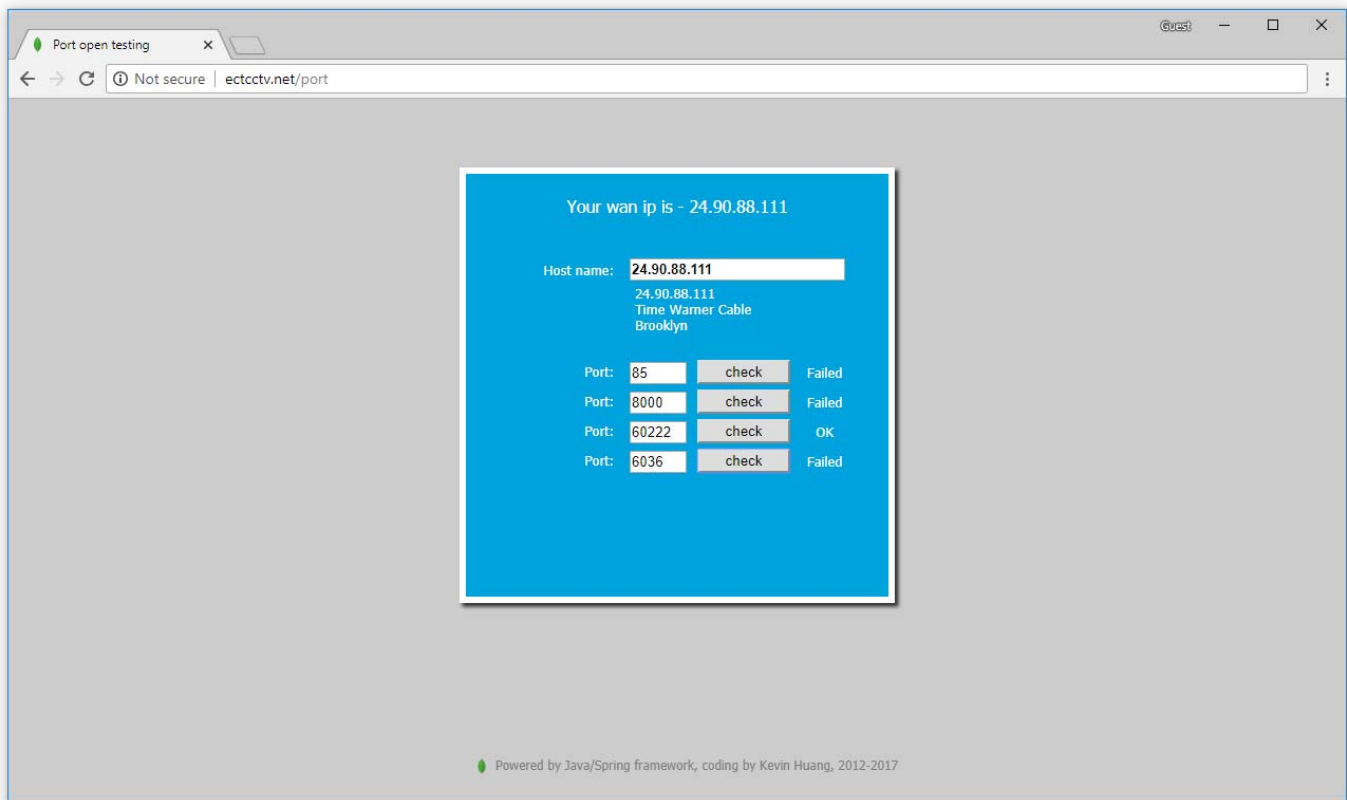
- **Call Log** (Data source: from my Caller ID project)

The screenshot shows a web browser window with the URL ectcctv.net/calllog. The page has a navigation bar with links: Home, Port checker, Customers List, Call log (active), Access log, Alarm accounts, Trello, DVR lists, and Logout. Below the navigation bar is a search input field. The main content area displays a table of call logs with the following columns: ID, Phone line, Date, Time, Number, Name, Last invoice date, Company name, Address, City, and State. The table contains 20 rows of data, showing various calls from different phone numbers and companies, including WIRELESS CALLER, LAU WAHTSANG, WANG, BEILING, LIU MAS, AGGIE CHENG, WASHINGTON DC, DOBRIN, DRAGOS, MR ZHENG, KING KONG VAPE, and MICHAEL CHEN.

ID	Phone line	Date	Time	Number	Name	Last invoice date	Company name	Address	City	State
13955	2	Today	18:17	646-533-0044	WIRELESS CALLER	2011-05-15	Delancey Sign&Supply	47A Delancey Street	New York	NY
13954	2	Today	18:03	646-338-0644	LAU WAHTSANG					
13953	2	Today	14:41	917-257-2864	WANG, BEILING		NICK CHEN			
13952	2	Today	13:48	917-622-3644	LIU MAS	2014-11-07	PACIFIC ASIAN BISTRO	159 PALENCIA VILLAGE DR #111	AUGUSTINE	FL
13951	1	Today	12:23	917-526-1144	AGGIE CHENG		MICHAEL CHEN	115 ELDRIDGE ST	NEW YORK	NY
13950	1	Today	11:47	202-575-8244	WASHINGTON DC					
13949	2	Today	11:44	646-675-8744	DOBRIN, DRAGOS					
13948	2	Today	11:05	917-861-8544	WIRELESS CALLER	2016-09-28	MR ZHENG	8 VILLAGE PLAZA	SOUTH ORANGE	NJ
13947	1	Yesterday	22:24	P	O					
13946	1	Yesterday	22:20	P	O					
13945	2	Yesterday	19:06	646-637-4244	Cell Phone NY					
13944	1	Yesterday	18:03	917-721-1644	WIRELESS CALLER	2017-10-25	KING KONG VAPE	929 NORTH BROADWAY	WHITE PLAINS	NY
13943	2	Yesterday	17:49	202-401-9944	2024019963					
13942	1	Yesterday	17:36	917-721-1644	WIRELESS CALLER	2017-10-25	KING KONG VAPE	929 NORTH BROADWAY	WHITE PLAINS	NY
13941	2	Yesterday	16:38	917-526-1144	AGGIE CHENG		MICHAEL CHEN	115 ELDRIDGE ST	NEW YORK	NY
13940	2	Yesterday	15:23	516-417-7144	Hirschfel Scot					
13939	2	Yesterday	14:28	718-633-4544	CITY,ENGLISH CT					
13938	2	Yesterday	14:23	646-369-2344	WIRELESS CALLER					
13937	2	Yesterday	14:22	646-369-2344	WIRELESS CALLER					
13936	2	Yesterday	14:12	P	O					
13935	2	Yesterday	13:10	718-633-4544	CITY,ENGLISH CT					
13934	2	Yesterday	13:03	878-847-2044	NEWKNSNGTN PA					
13933	2	Yesterday	12:53	718-633-4544	CITY,ENGLISH CT					
13932	2	Yesterday	12:50	917-526-1144	AGGIE CHENG		MICHAEL CHEN	115 ELDRIDGE ST	NEW YORK	NY
13931	2	Yesterday	12:33	201-926-3944	CHENG PI	2017-03-01	BACHI 197 RESTAURANT	197 HACKENSACK ST	WOOD RIDGE	NJ
13930	2	Yesterday	12:26	201-926-3944	CHENG PI	2017-03-01	BACHI 197 RESTAURANT	197 HACKENSACK ST	WOOD RIDGE	NJ
13929	2	Yesterday	12:25	201-926-3944	CHENG PI	2017-03-01	BACHI 197 RESTAURANT	197 HACKENSACK ST	WOOD RIDGE	NJ
13928	2	Yesterday	11:44	917-384-7644	LIN MIN	2017-03-27	WYCOFF AVE LANUNROMAT INC	603 E 127TH ST	BRONX	NY

- **TCP Port Checker** (using jquery GET method to get the test result from backend server)

<http://ectcctv.net/port>



2) A Caller ID project

Server Platform: Raspberry Pi, Debian(Linux), MySQL, Sqlite

Server side programming:

Python (*first version*)

ANSI C (second version, I desired C was higher performance than Python)

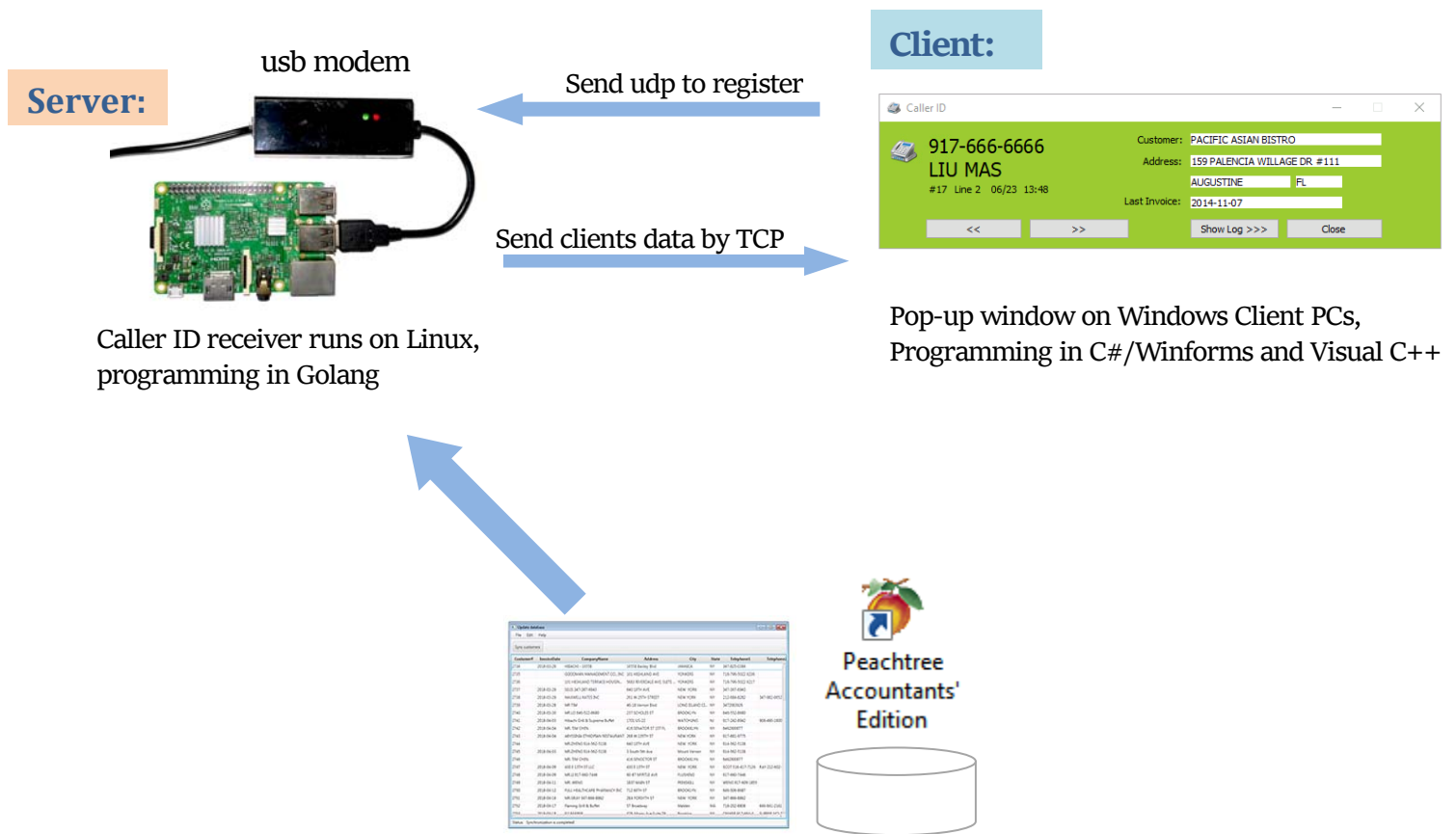
Google Go language (*current version, native binaries without any dependencies*)

Client Platform: Windows PC

Client side programming:

Microsoft .Net Framework, C#/WinForms *(first version)*

Microsoft Visual C++/MFC (*current version*)




Tool for syncing Customer's information:

Synchronize data from accounting to the Caller ID receiver server.

Programming in Java/JavaFX

User Interfaces:

Client main window



917-666-6666

LIU MAS

#17 Line 2 06/23 13:48

Customer: PACIFIC ASIAN BISTRO

Address: 159 PALENCIA WILLAGE DR #111

AUGUSTINE FL

Last Invoice: 2014-11-07


<<

>>

Show Log >>>

Close

Client main window – Expanded



202-575-8239

WASHINGTON DC

#15 Line 1 06/23 11:47

Customer:

Address:

Last Invoice:

<<

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Close Log <<<

Close

Call log	Follow up	Contact	About						
Index	Date	Time	Line	Phone Number	Caller ID	Customer Name	Address	City	State
13285	06/22	04:43	1	O	Unavailable				
13284	06/22	04:42	1	O	Unavailable				
13283	06/21	19:09	1	917-721-18	WIRELESS CALLER	KING KONG VAPE	929 NORTH BROAD	WHITE PLA	NY
13282	06/21	19:06	2	646-496-56	CHEN,DEZHU				
13281	06/21	18:13	2	917-257-28	WANG,BEILING	NICK CHEN			
13280	06/21	17:42	2	917-257-28	WANG,BEILING	NICK CHEN			
13279	06/21	17:38	2	917-257-28	WANG,BEILING	NICK CHEN			
13278	06/21	17:00	2	201-268-42	Cell Phone NJ				
13277	06/21	16:59	2	201-268-42	Cell Phone NJ				
13276	06/21	16:36	1	201-214-60	Hong Shou	6 CLINTON ST OWNER	6 CLINTON ST	NEW YORK	NY
13275	06/21	16:34	2	914-906-44	PRIVATE	MR. CARMELO	13 CREEMER RD	ARMONK	NY
13274	06/21	15:47	2	917-526-11	AGGIE CHENG	MICHAEL CHEN	115 ELDRIDGE ST	NEW YORK	NY
13273	06/21	15:35	2	480-219-23	PHOENIX AZ				
13272	06/21	15:31	2	718-310-87	CHEN HUANG LIU				
13271	06/21	14:37	2	917-257-28	WANG,BEILING	NICK CHEN			
13270	06/21	14:13	2	646-675-87	DOBRIN,DRAGOS				
13269	06/21	14:08	2	646-515-77	LIANG,JIN	Bobby	ECT Employee		
13268	06/21	13:57	2	201-926-39	CHENG PI	BACHI 197 RESTAURANT	197 HACKENSACK ST	WOOD RID	NJ
13267	06/21	12:53	2	646-515-77	LIANG,JIN	Bobby	ECT Employee		
13266	06/21	12:51	2	878-847-20	NEWKNSNGTN PA				
13265	06/21	12:09	2	212-966-88	GRAND ELECTRICA	BRAND ELECTRINCAL E...	71-73 ALLEN ST	New York	NY
13264	06/21	12:00	1	312-260-99	CHICAGO IL				
13263	06/21	11:54	2	917-653-72	Chan Paulo		56-05 COOPER AVE	RIDGEWOOD	NY
13262	06/21	11:02	2	212-529-13	DUMPLING HOUSE	MS. VANESSA	220 E 14TH ST.	NEW YORK	NY

- **Sync tool**

Sync data from accounting/ Pervasive PSQL Database to MySQL on server

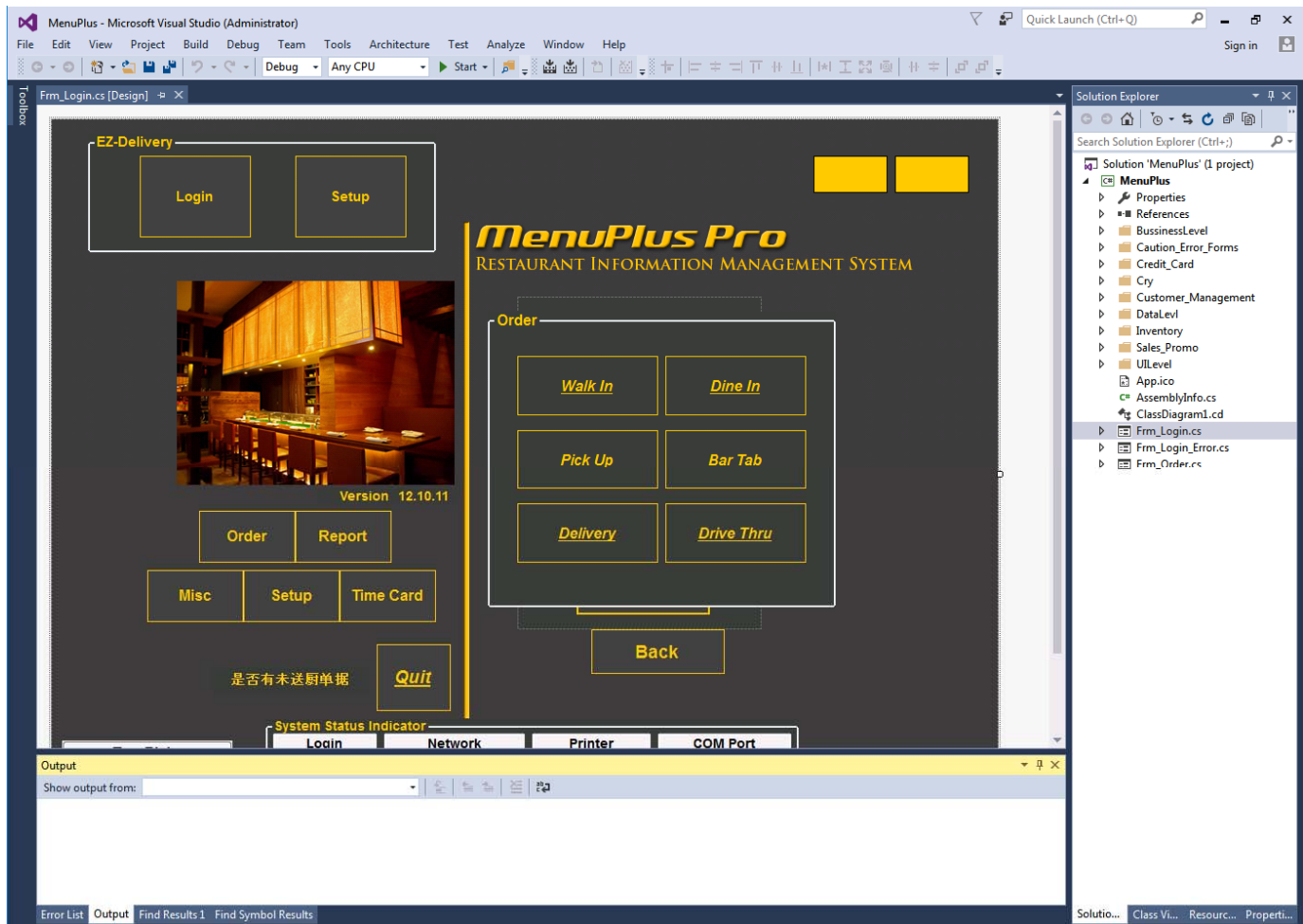
Update database							
File Edit Help							
Sync customers							
Customer#	InvoiceDate	CompanyName	Address	City	State	Telephone1	Telephone2
2734	2018-03-26	HIBACHI - 16558	16558 Baisley Blvd	JAMAICA	NY	347-825-0384	
2735		GOODMAN MANAGEMENT CO., INC	101 HIGHLAND AVE	YONKERS	NY	718-796-9022	
2736		101 HIGHLAND TERRACE HOUSIN...	5683 RIVERDALE AVE, SUITE ...	YONKERS	NY	718-796-9022	
2737	2018-03-29	SELIS 347-367-6943	640 10TH AVE	NEW YORK	NY	347-367-6943	
2738	2018-03-29	MAXWELL KATES INC	261 W 25TH STREET	NEW YORK	NY	212-684-4362	347-982-0652
2739	2018-03-28	MR TIM	46-18 Vernon Blvd	LONG ISLAND CI...	NY	3472083839	
2740	2018-03-30	MR.LO 646-522-8680	237 SCHOLES ST	BROOKLYN	NY	646-552-8680	
2741	2018-04-03	Hibachi Grill & Supreme Buffet	1701 US-22	WATCHUNG	NJ	917-242-8942	908-490-1600
2742	2018-04-04	MR. TIM CHEN	416 SENATOR ST 1ST FL	BROOKKLYN	NY	6462900877	
2743	2018-04-04	ABYSSINIA ETHIOPIAN RESTAURANT	268 W 135TH ST	NEW YORK	NY	917-881-8773	
2744		MR.ZHENG 914-562-5138	640 10TH AVE	NEW YORK	NY	914-562-5138	
2745	2018-04-03	MR.ZHENG 914-562-5138	3 South 5th Ave	Mount Vernon	NY	914-562-5138	
2746		MR. TIM CHEN	416 SENOCTOR ST	BROOKKLYN	NY	6462900877	
2747	2018-04-09	430 E 13TH ST LLC	430 E 13TH ST	NEW YORK	NY	SCOT 518-437-7139	RAY 212-602-...
2748	2018-04-09	MR.LI 917-660-7446	60-87 MYRTLE AVE	FLUSHING	NY	917-660-7446	
2749	2018-04-11	MR. WENG	1837 MAIN ST	PEEKSKILL	NY	WENG 917-488-1883	
2750	2018-04-12	FULL HEALTHCARE PHARMACY INC	712 60TH ST	BROOKLYN	NY	646-506-8687	
2751	2018-04-16	MR.GRAY 347-866-8862	28A FORSYTH ST	NEW YORK	NY	347-866-8862	
2752	2018-04-17	Flaming Grill & Buffet	57 Broadway	Malden	MA	718-202-8808	646-841-2161
2753	2018-04-18	EIT BARBER	478 Albany Ave Suite 70	Brooklyn	NY	OWNER 917-488-1883	SHEDDER 347-7...

3) Source code maintenance for MenuPlus Restaurant POS system

(C#/WinForms, FireBird database)

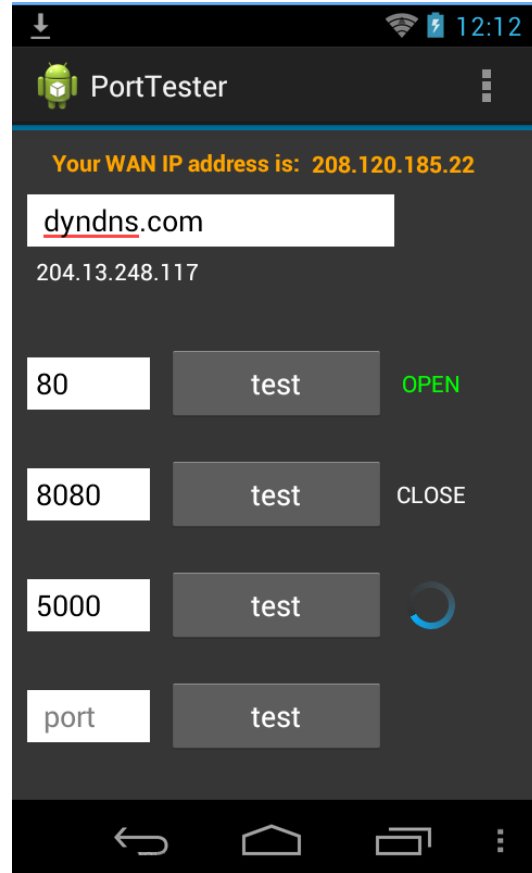
My work is Bug fixing and functions adding

- Tax calculation error after order separation
- Delete-all-items function caused other orders to be deleted by mistake
- Adding an option to allow applying discount before OR after Tax
- Fixed bug for open order missing after force quit or crash



4) **Android App – Port open checker.** A free tool for checking network TCP port accessibility, published on Google Play Store on 2014

https://github.com/qienhuang/Port_Checker_Android

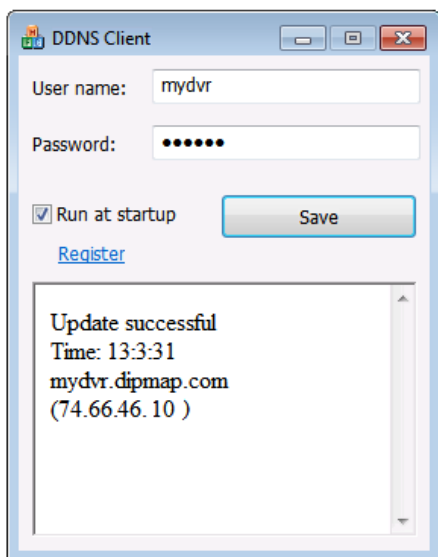


5) DDNS update client.

An imitation of GeoVision DDNS client, the original program needs to be run along with the GeoVision main program. I made this alternative program for any computer could update its dynamic IP address to GeoVision DNS server.

Programming in Visual C++/MFC, completed in 2008

https://github.com/qienhuang/ddns_updater

A screenshot of a Windows application window titled "Register Form". The main heading is "DynamicDNS 01". Under the "Register" section, there are three input fields: "Username:" with the value "mydvr", "Password:" with masked characters, and "Re-type Password:" with masked characters. To the right of these fields are two informational boxes: "Username" stating "Username is 16-character maximum; username may not start with spaces or minus signs ('-'). Username will be your hostname." and "Password" stating "The password is case-sensitive." Below the input fields, a text prompt says "Enter the characters as they are shown in the box below." followed by the text "GQ5Q6Q" and a corresponding CAPTCHA image showing the same text with wavy lines. To the right of the CAPTCHA is a "Word Verification" box with the text "This step helps us prevent automated registrations.".