

Agent Insurance Renewal

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ABSTRACT

Agent Insurance Renewal app helps to reduce the work of the client and to keep them updated about the date of expiry and also the status of their policy. The agent can search any client with their respective Policy number or the Vehicle number registered with the policy. Having an insurance policy reduces the financial burden in the case of loss or damages arising from an accident caused to or by your insured vehicle. The renewal date of your insurance policy is based on the date your policy grabbed. Using this app, the agents can notify the clients through E-mail or SMS regarding the unpaid (pending) amount and acknowledge for the renewal process. The agent can enter the type of vehicle for proceeding with the renewal process. The payment will be done to the insurance company by the client with the help of the agent. If the client forgets about renewing the policy, an alert will be sent by the application for the second time in order to notify the client again. The insurance can also be renewed by the client through this app.

Keywords - policy-number, renewal, notification, payment, client details.

I. INTRODUCTION

The project “Agent Insurance Renewal” is about how the agent views all the policies of the clients that are registered with him. The agent can use the feature of notifying the client through an E-mail or a SMS about the policy expiry. The agent can select the type of vehicle and pursue with the process of renewal. The payment will be done by the agent and the client will pay the agent for the renewal of the policies. The calculation of the renewal amount will be in addition to the revised pattern of GST. Thein-built calculator calculates the desired amount and notify about the amount that has to be paid. The alerts are prioritized with respect to the date of Renewal.

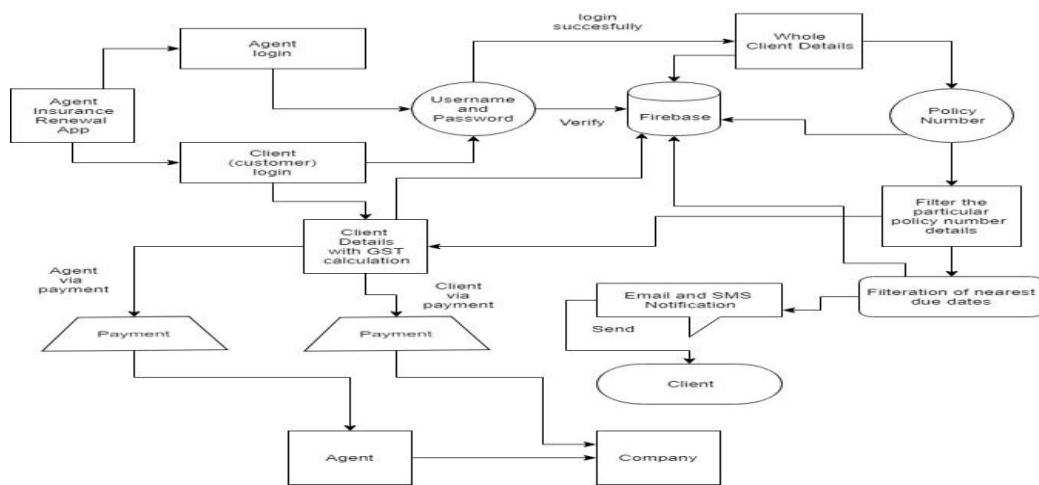
II. VARIOUS TECHNOLOGY

Kotlin is a statistically typed, general-purpose programming language with type inference. Kotlin mainly goals the JVM, but also accumulates to JavaScript or native code (via LLVM). Kotlin is officially supported by Google for mobile development on Android. Kotlin is comprised as an substitute to the standard Java compiler. The Android Kotlin compiler agreements the user choose between directing Java 6 or Java 8 companionable bytecode. Firebase is a mobile and web application development platform established by Google. Firebase Authentication is a facility that can substantiate users consuming only client-side code. It provisions social login benefactors Facebook, GitHub, Twitter and Google (and Google Play Games). Moreover, it contains a user management system whereby creators can enable user authentication with email and password login kept with Firebase. Firebase also delivers a Realtime database and backend as a service. The service provides application developers an API that allows application data to be synchronized across clients and stored on Firebase's cloud. The database is also open through a REST API and bindings for several JavaScript frameworks. Developers using the Realtime database can secure their data by using the company's server-side-enforced security rules.

III. EXISTING SYSTEM & PROPOSED SYSTEM

The existing system of insurance renewal mostly are on webpages and apps. All the apps are third party company apps. These apps acts as a broker or an intermediate in insurance renewal. There is no support for E-mail or SMS notification. The existing application does not include insurance renewal calculation based on the current GST prices. The system is to be built with KOTLIN (a light-weight scripting technology) and Firebase for database. It calculates the renewal amount with respect to Government updates. Provide SMS and Email notification based on the expiry of the renewal date. Generate a renewal notice with Included taxes, no claim bonus and other commissions. The payment will be done by the client to the insurance company with the help of the agent.

IV. DATA-FLOW DIAGRAM



V. WORKING

Agent Insurance Renewal comprises of insurance renewal of the agent, where entering the policy number of the client, the full details of the client will be displayed. The information consists of name of the client, policy details, vehicle details, date of renewal, issue date, inception date and expiry date. A notification mail or SMS will be sent to the agent before 30 days of expiry date. If the renewal is done, it generates renewal notice based on taxes and no claim bonus and agent commission. If the expiry date of the renewal exceeds then again the notification will be sent. This application will be helpful for the agent to know their expiry date. The payment will be done by the client to the Insurance company through the agent.

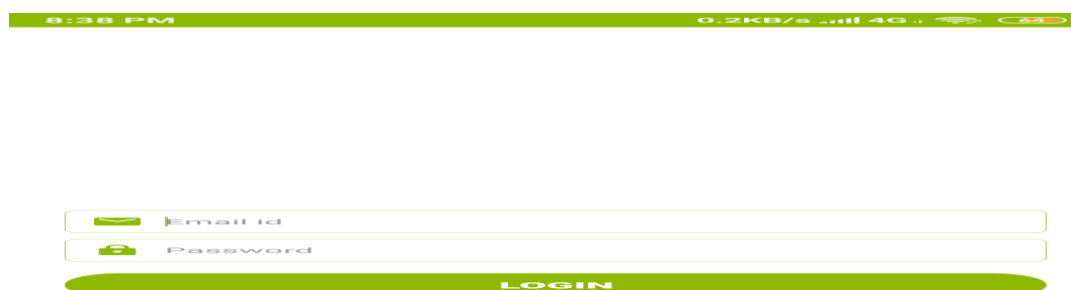


Fig 1: Agent Login

VCH_INSURED_NAME	VCH_POLICY_NO
KRISHNADIVYA P	1456096377634760000
MAHESH RAJ R	2986598766432530000
KARTHIK RAJA M	3678256370266640000
AJAY KUMAR S	4532167270262720000
JANANAI R C	5367265470200010000
DEEPAK G	6748937570264730000
GUNA S	7390131170200010000
DEEPAK KUMAR D	8736531342200040000
ARUN KUMAR S	875267109856739000
KATHIRESAN S	9987436728178930000

Fig 2: Displayed
All Client details

DTT_EXPIRY_DATE	03/04/2019
DTT_INCEPTION_DATE	11/2/2018
DTT_ISSUE_DATE	11/2/2018
EMAIL_ID	amalaipcs@gmail.com
MOB_NUM	9080644944
NUM_EX_COVERAGE_AMT	1700
NUM_EX_COVERAGE_PREMIUM	1100
NUM_EX_COVERAGE_TOT	245
NUM_MANUFACTURE_YEAR	2017
NUM_MODEL_ID	B73633BAJAJ
NUM_SERVICE_TAX_AMOUNT	290
NUM_SERVICE_TAX_ID	5%
NUM_SERVICE_TAX_PERCENT	4338
VCH_CHASSIS_NO	LLPD01J00LKL90008
VCH_ENGINE_NO	HW34AOIKM67011
VCH_INSURED_NAME	KRISHNADIVYA P
VCH_VEHICLE_NO	TN36BM9999
VCH_POLICY_NO	1456096377634760000
VCH_INSURED_AMOUNT	1900
GST	5%

Fig 3: Enter the policy number
And client details will be displayed

DTT_EXPIRY_DATE	03/04/2019
DTT_INCEPTION_DATE	11/2/2018
DTT_ISSUE_DATE	11/2/2018
EMAIL_ID	amalaipcs@gmail.com
MOB_NUM	9080644944
NUM_EX_COVERAGE_AMT	1700
NUM_EX_COVERAGE_PREMIUM	1100
NUM_EX_COVERAGE_TOT	245
NUM_MANUFACTURE_YEAR	2017
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VCH_CHASSIS_NO	LLPD01J00LKL90008
VCH_ENGINE_NO	HW34AOIKM67011
VCH_INSURED_NAME	KRISHNADIVYA P
VCH_VEHICLE_NO	TN36BM9999
VCH_POLICY_NO	1456096377634760000
VCH_INSURED_AMOUNT	1900
GST	5%
Total amount with GST	95.0

Fig 4. GST Calculation

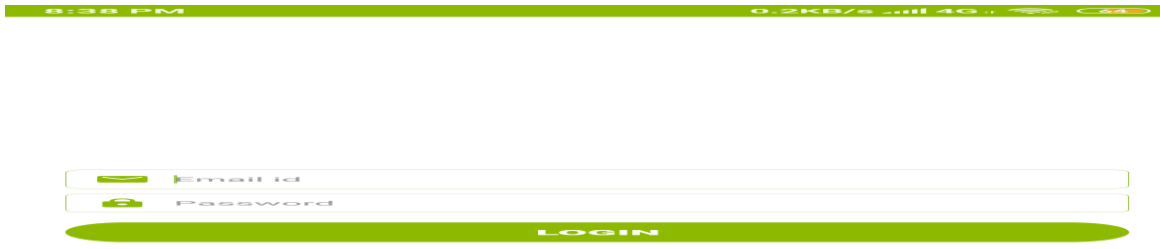


Fig 5. Client Login

2986598766432530000	
DTT_INCEPTION_DATE	17/1/2018
DTT_ISSUE_DATE	17/1/2018
EMAIL_ID	maheshraj.r2015@kgkite.ac.in
MOB_NUM	8489371492
NUM_EX_COVERAGE_AMT	2200
NUM_EX_COVERAGE_PREMIUM	1400
NUM_EX_COVERAGE_TOT	304
NUM_MANUFACTURE_YEAR	2017
NUM_MODEL_ID	D87474DUCATI
NUM_SERVICE_TAX_AMOUNT	309
NUM_SERVICE_TAX_ID	5%
NUM_SERVICE_TAX_PERCENT	4558
VCH_CHASSIS_NO	MNBV01TREWHLH80000
VCH_ENGINE_NO	RT67JIUYT75557
VCH_INSURED_NAME	MAHESH RAJ R
VCH_VEHICLE_NO	TN36CF9099
VCH_POLICY_NO	2986598766432530000
VCH_INSURED_AMOUNT	1600
GST	5%
Total amount with GST 80.0	

Fig 6. Client details



Fig 7. The application alerts the client about the renewal date

VII. CONCLUSION

The Agent Insurance Renewal helps the agent as well as the client to renew their policies on the go. They need not spend separate time in waiting in long queues for the renewal process. As the input data here is only the policy number, it will be easy for the agent to know about the policies that have been taken by the particular client. Here, If the client forgets to renew their policies, the renewal alert will be sent to the client for the second time to remind them

REFERENCES

- [1] OL. Google Android Developers, Android Develop Guide, <http://developer.android.com/guide/topics/fundamentals.html/>
- [2] Stauffer, C. and Grimsonb Kotlin Programming: The Big Nerd Ranch Guide <http://g.co/kgs/moqxoc>
- [3] J. Brown, B. Shiman, R. Vetter, SMS: The Short Message Service , University of North Carolina Wilmington.
- [4] J. Nix, J. Russell, D, Keegan. Mobile learning/SMS (Short Message System) academic administration kit.
- [5] Firebase Database, [online] Available:<http://developer.android.com/refermce /android/ database / Firebase/FirebaseDatabase.html>
- [6] ListView Android, [online] Available:<http://developer.android.com/reference/android/widget/ListView.html>.
- [7] "All your queries on GST answered". The Hindu. Retrieved 2017-06-30.
- [8] "GST: Cars, durables face 28% rate; luxury vehicles to attract 15% cess", *Business Standard*, 18 May 2017
- [9] "Film theatres in Tamil Nadu to begin indefinite strike against GST". The Hindu. 2 July 2017. Retrieved 3 July 2017.
- [10] http://www.business-standard.com/article/economy-policy/gst-impact-trucks-travel-time-in-interstate-20-says-govt-117073000276_1.html