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Innovative Pattern in Bing Portal Using Software Specification

G. Michael[1], G.Kavitha[2]

Assistant Professor, Department of Computer Science Engineering, Bharath University, Chennai, Tamil Nadu, India[1]

Assistant Professor, Department of Computer Science Engineering, Bharath University, Chennai, Tamil Nadu, India[2]

michael.cse@bharathuniv.ac.in

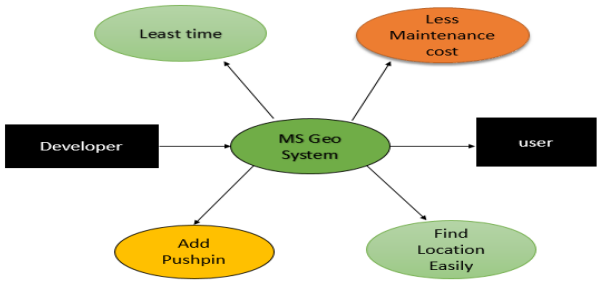
ABSTRACT: It is calculable that 45% of the company's annual financial gain square measure spent on maintaining the software's. An outline of however the wares are designed and coming up with a replacement software package with low maintenance price. Store and share pushpins instantly in maps. The coding complexness square measure reduced. nominative space will be caterpillar-tracked simply. Less size of software package compatibility. Designing a replacement software package that may be wont to add pushpins and visit locations instantly. Reducing the operating pattern concerned in Bing portal by coming up with software package severally. Adding integral latitude and great circle plots for individual states in nominative space. Comparing the prevailing Bing portal pattern and therefore the recently created pattern.

KEYWORDS: Softwarecost, Patterns, Iterative, Maintenance.

I. INTRODUCTION

IT is best if software is developed with clear, precise, anddocumented specifications. However, due to hard deadlines and "short-time-to-market" requirement, software products often come with poor, incomplete, and even without any documented specifications. This situation is further aggravated by a phenomenon termed software evolution. As software evolves, the documented specification soften remain unchanged. This might render the documented specification of little use after cycles of program evolution.These factors have contributed to high software maintenancecost. It has been reported that up to 90 percent of software cost is due to maintenance and up to 50 percent of the maintenance cost is due to the effort put in comprehending or understanding software code base.Hence, approximately up to 45 percent of software cost is due to the difficulty in comprehending an existing codebase. This is especially true for software projects developed by many developers over a long period of time. These needs motivate work on automated tools to extractor mine specifications from programs. An interesting form of specifications to be mined is patterns of software temporalbehaviors.

SYSTEM OVERVIEW



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PROJECT INTRODUCTION:

In order to reduce the software product maintenance cost, we are developing a software and comparing the developed software with the existing software. This software is developed in window presentation foundationapplication in visual studio 2013. With the help of Bing map control reference we are integrating the Bing map into this application. This software is used to track the locations and add custom pushpin to mark important locations. Front end of the application consist of Bing map, Buttons to track the location, text bars to show the longitudes and latitudes and custom pushpins to mark the important locations. The developed software will be less in loading time, size and cost[1].

II. EXISTING SYSTEM

Billions of dollars are spent annually on software-related cost. It is estimated that up to 45 percent of software cost is due tothe difficulty in understanding existing systems when performing maintenance tasks (i.e., adding features, removing bugs, etc.). One ofthe root causes is that software products often come with poor, incomplete, or even without any documented specifications[3][2]. In an effort to improve program understanding, Lo et al. have proposed iterative pattern mining which outputs patterns that are repeated frequently within a program trace, or across multiple traces, or both. Frequent iterative patterns reflect frequent program behaviors that likely correspond to software specifications[4][5]. To reduce the number of patterns and improve the efficiency of the algorithm, Lo et al. have also introduced mining closed iterative patterns, i.e., maximal patterns without any superpattern having the same support. In this paper, to technically deepen research on iterative pattern mining, we introduce mining iterative generators, i.e., minimal patterns without any

subpattern having the same support[6]. Iterative generators can be paired with closed patterns to produce a set of rules expressingforward, backward, and in-between temporal constraints among events in one general representation. We refer to these rules asrepresentative rules. A comprehensive performance study shows the efficiency of our approach. A case study on traces of an industrialsystem shows how iterative generators and closed iterative patterns can be merged to form useful rules shedding light on softwaredesign[7].In the newly created window of Windows Presentation Foundation in Visual Studio 2013 integrate the map of Bing from Bing portal using Bing Keys.

DISADVANTGES:

- Scalability and utility is less.
- Software products often come with poor, incomplete, or even without any documented specifications

III. PROPOSED SYSTEM

In order to reduce the software maintenance cost we designing a new software that will be used to add pushpins and to grt locations instantly. So what we are doing is, in this software we adding inbuilt latitude and longitude plots for individual states for specified areas. Reducing the working pattern involved in Bing portal by designing a software like adding buttons for unregistered place. By comparing existing Bing portal pattern maintenance report with newly created pattern[8][9].

ADVANTAGES

- We can find the location easily. Time consumption is less.
- Software size is less compared to the existing software.

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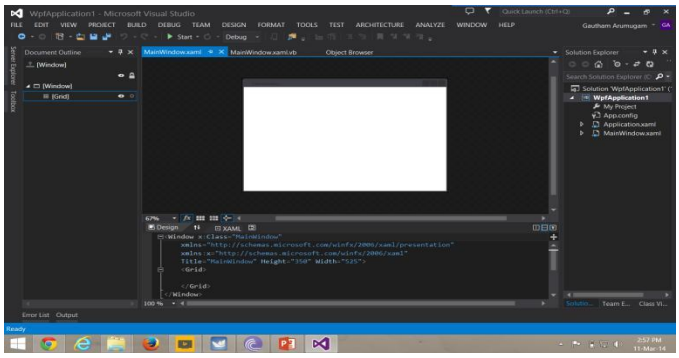
IV. MODULES

1)WPF Software Window

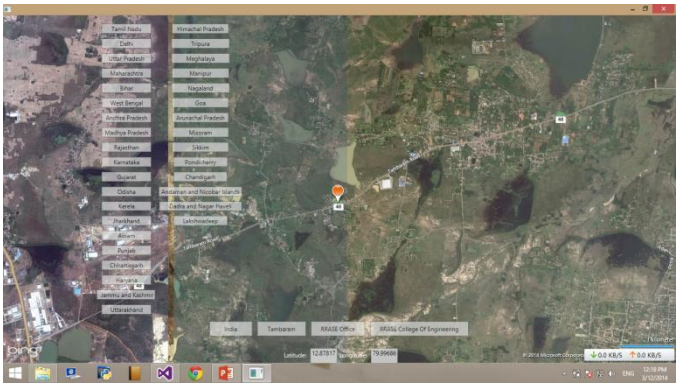
The WPF (Windows Presentation Foundation) application is used to create a software design window.



2) Display a Map

3) Adding Pushpins to map

To identify the spotted important locations in the Bing map.



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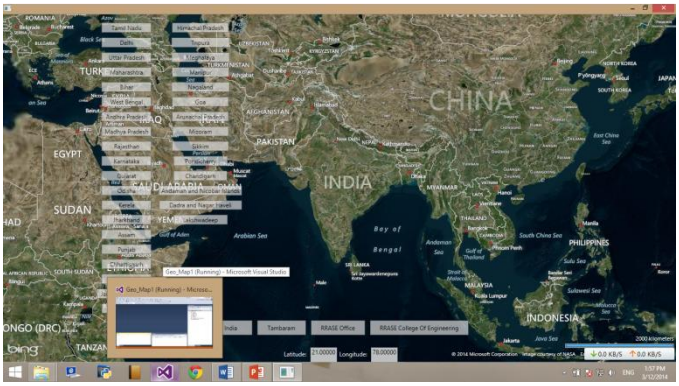
4) Button to track map location

Buttons are set with inbuilt values so that the user can easily find the locations in the Bing map.



V. CONCLUSION

In this paper we have proposed that the loading time, size and cost of the developed software is less than the existing software. Therefore the maintenance cost of the software is reduced. In this software encryption complexity are reduced, specified areas can be easily tracked and adding custom pushpins. Further we can reduce the software product maintenance cost by developing a SEO or other kink of software's with the help of existing software and its maintenance reports.

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