Minor Project- Report

Dec-2019-2020

Course Faculty: Course Name & code: OJ-Lab (19CS)

Semester: 3rd Date: 19/12/2020

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| TITLE OF THE PROJECT | **WeatherPro Weather Application** | | | |
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| STUDENT NAME | Kanishk Bhaskar | Karan V | Keshav Jhawar | Kiran N Deshmukh |
| USN | 1DS19CS067 | 1DS19CS068 | 1DS19CS069 | 1DS19CS070 |
| INDIVIDUAL  CONTRIBUTION | Worked on GUI. | HTML and creating Weather Report. | Getting IP Address of User to get Location. | Worked on Gathering weather data from API and the GUI. |
| GUIDE | Asnika Shridhar | | | |
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| PROJECT ABSTRACT: | WeatherPro is a weather application that has been designed with one specific goal: To give you all the essential information on one single screen. The simple and minimalist theme of the app combined with all the information available to the user makes this a very user-friendly application. The application will be able to provide the user with the following data:  → Maximum and Minimum Temperatures  → Humidity  → Wind Speed & Direction  → Cloud Data etc. | | | |
| PLATFORM USED  (H/W & S/w tools to be used | Eclipse IDE, Swing GUI with Windows Builder, OpenWeatherMap API, IP-API. | | | |
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| Introduction | This application uses an API to gather the weather data and is organized and presented to the user in a format that feels simple and easy to use. The minimalistic theme that flows through the app also contributes to the user-friendly design that we have developed. | | | |
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| Design | The design of this application is a combination of Java code and Swing GUI.    The application makes use of an External JAR File (‘java-json.jar’) as a dependency to send ‘GET’ requests to the API and gather weather data from the URL and converts them into objects. | | | |
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| Project Source Code Link (Github/ Google DRive) | https://github.com/kirandeshmukh6421/WeatherPro | | | |
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| Conclusion /FUTURE ENHANCEMENT | We aim to improve the visuals and add more features to the application which will contribute to a much better experience while using the application. | | | |
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| Ui sCreenshots |  | | | |