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Implementing client Reporting Feature in Standard Reporting Service

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ABSTRACT

The project titled Implementing Client Reporting feature in Standard Reporting Service at MiQ Digital India covers the implementation procedure of a new feature called Client Reporting in an existing company product - Standard Reporting Service (SRS). MiQ is an advertising Technology company which allows their traders to run Ad-campaigns for Clients. Traders in MiQ are required to generate reports on a weekly basis and send it to their Clients. Since this is a very time consuming work for traders who manage several Ad-campaigns at a time, the Client Reporting feature allows them to create report templates which handles scheduling reports and sending it to client automatically as per scheduling parameters. The main objective is to implement a front end interface for Client Reporting , Add mixpanel integration to track how a user interacts with the application, implement an improved version of Reports History that includes pagination and filtering.

This feature is a new addition to the SRS Product , which uses React.js as frontend framework and Spring-Boot as backend java framework. The report configuration are stored in MongoDB and the reports are generated by consuming data stored in Qubole. REST APIs are written to create report , schedule report and send email notification to clients. Client Reporting feature hence saves a lot of time for traders by automating most of the tasks done by them manually.