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MakeltHappen can create custom reports directly from your database to keep your operations running smoothly.

In today's business world, it is becoming more and more critical to understand your business data at the level of detail that perfectly fits your needs. Still, most off-the-shelf software does not provide this flexibility. Most companies that have implemented business intelligence solutions bought a pre-packaged solution and are still struggling to get what they need. Most of the time, it ends up in frustration and with no ROI.

If you're looking for a way to optimize your operations, custom reports created with SQL directly from your database can be a helpful solution. By keeping an eye on your database activity, you can ensure that your processes are running smoothly and efficiently.

Database

A database is a collection of data organized in a specific way. A database can be divided into different tables, like folders that store data. Tables are divided into columns and rows. Columns are like the fields in a table, and rows are like the records in a table. In a database, you can access data in any order you want by using the various SQL commands. You can also create reports and dashboards from the data in a database. Reports can be printed or exported to PDF, Excel, or another format. Some typical database applications are SQL Server, Oracle, and PostgreSQL.

A database manager is a software tool for storing, retrieving and managing data in a database. A database can be any collection of data. Typically, you'll use a database manager to store and organize data for a website. A database manager can help you store data in a structured way, retrieve data quickly and easily, and manage user access to data. When choosing a database manager, you should consider the size and complexity of your data, as well as your experience and expertise in managing databases

Structured Query Language (SQL)

SQL (Structured Query Language) is a language that is used specifically for querying and modifying data in databases. SQL is used to manage and store data, so it is such a valuable language. One of the most powerful features of SQL is the ability to write reports directly from your database. SQL offers a built-in reporting tool that allows you to create reports quickly and easily, but often, to take reporting to the next level, you will need third-party reporting tools.

The most common use case of SQL is to pull data out of databases and display it in a report. SQL allows you to store data in a relational database, which will enable you to easily pull all the information you might want from the database and format it in whatever report you want.

Using SQL statements to create reports will grab the data directly from their Postgres/SQL server/oracle databases. Using the UI, you can pull the data from the database and create reports using the drag and drop functionality. If you use a complex query, you can use the query builder to create it.

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SQL and PDO (PHP Data Objects):

SQLite is a software library that implements a self-contained, serverless, zero-configuration, transactional SQL database engine. SQLite is the most widely deployed SQL database engine in the world.

PDO is a PHP extension that allows you to interact with MySQL, Postgres, and SQL Server databases. PDO is an abstraction layer used to provide portability across databases. The PDO class provides a common interface for all database access. PHP's native database extension (MySQL) is deprecated, and it is recommended that you use PDO instead. PDO is standardized in the extension named PDO (PHP Data Objects)

Using SQL for Reporting

MakingItHappen uses SQL to develop the desired reports that a customer might request. While building large, full-featured websites, many web developers see SQL as a last resort, which lets you add and update records in the database but is otherwise unnecessary. This is unfortunate because it's a core part of many programming languages and is already available in many database structures. SQL is available in many database structures and is also a requirement for many database structures.

Already have an Existing AWS Infrastructure

Amazon Redshift is an MPP data-warehousing database from Amazon based on PostgreSQL technology. With this fully managed service, users can store and query large amounts of data quickly and easily. Redshift is an excellent choice for businesses looking for an easy-to-use, cost-effective data warehousing solution.

At MakeItHappen, we use Redshift in multiple ways, including but not limited to the following ways:

1. Using AWS Data Exchange for Redshift, we can enable you to query, share, and analyze live data from organizations and partners, improving business intelligence for data providers. This will help data providers keep track of their data usage and understand how others are using their data. In addition, data providers can control access and monitor activity on their data.
2. We provide users with real-time operational insights through the ability to process large amounts of data from various sources all at once and unlimited concurrent queries while always maintaining high performance.
3. Get predictive insights to inform new products and services and drive faster decision-making across your business. We provide predictive insights that help inform new products and services and drive more immediate decision-making. Harnessing the power of machine learning can give accurate predictions and recommendations, allowing businesses to stay ahead of the competition and make better decisions faster.

Amazon Redshift is a robust and reliable data warehouse service that helps organizations manage and analyze their data more effectively. It's used by businesses of all sizes across many industries, including

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e-commerce, logistics, financial services, healthcare, and advertising. This technology allows us to create more accurate custom reports faster than traditional off-the-shelf software. Don't restrict your company's growth by using template-type reporting. Even though it might seem simpler and less expensive, in the long run, you often become a slave to it vs. doing what is best for your organization.

Why work with us

We offer comprehensive on-demand design and development services. Ideal for companies that do not have a design and development team in-house. Working with us means you have a partner to help manage your design and development needs so that you can focus on running your core business. By partnering with us, you can have our dedicated team help and guide you with:

- Data Visualization
- Custom web development
- Website creation and maintenance
- Database development
- User Experience and User Interface design

Company Experience:

- Ten years of experience developing real-time, performance-critical applications
- Five years of Angular-js and React-js development experience
- Proficient in cloud platforms such as Amazon Web Services
- Proficient in AGILE methods such as TDD, continuous integration, scrum, user stories, iterative development, and domain-driven design.
- Skilled at delivering modular, decoupled, user-friendly applications optimized for performance.
- Expert in Design Patterns and real-time messaging systems.
- Excellent written and verbal communication skills.

Technical Proficiency:

MakelTHappen.nyc can help! Call us today for a free consultation, and let's talk about how we can help you get the most out of your current legacy systems before investing in new ones! We have a proven track record of assisting companies to save money on their IT budget, reduce downtime, and improve their current application and systems. Let's talk about whether MakelTHappen is the right fit for you today!

ReactJS
Redux
MVC Architecture
AngularJS
Node.js
Axios
Javascript
Stripe integration

HTML5
Responsive UI
GIT
SQL Server
Postgres SQL
Bootstrap
C#.NET
REST Web Services

Amazon Web Services
EC2
RDS
Lambda
SNS
Elastic Beanstalk
s3
EFS