**Available Column Types**

The schema builder contains a variety of column types that you may specify when building your tables:

| **Command** | **Description** |
| --- | --- |
| $table->bigIncrements('id'); | Auto-incrementing UNSIGNED BIGINT (primary key) equivalent column. |
| $table->bigInteger('votes'); | BIGINT equivalent column. |
| $table->binary('data'); | BLOB equivalent column. |
| $table->boolean('confirmed'); | BOOLEAN equivalent column. |
| $table->char('name', 100); | CHAR equivalent column with an optional length. |
| $table->date('created\_at'); | DATE equivalent column. |
| $table->dateTime('created\_at'); | DATETIME equivalent column. |
| $table->dateTimeTz('created\_at'); | DATETIME (with timezone) equivalent column. |
| $table->decimal('amount', 8, 2); | DECIMAL equivalent column with a precision (total digits) and scale (decimal digits). |
| $table->double('amount', 8, 2); | DOUBLE equivalent column with a precision (total digits) and scale (decimal digits). |
| $table->enum('level', ['easy', 'hard']); | ENUM equivalent column. |
| $table->float('amount', 8, 2); | FLOAT equivalent column with a precision (total digits) and scale (decimal digits). |
| $table->geometry('positions'); | GEOMETRY equivalent column. |
| $table->geometryCollection('positions'); | GEOMETRYCOLLECTION equivalent column. |
| $table->increments('id'); | Auto-incrementing UNSIGNED INTEGER (primary key) equivalent column. |
| $table->integer('votes'); | INTEGER equivalent column. |
| $table->ipAddress('visitor'); | IP address equivalent column. |
| $table->json('options'); | JSON equivalent column. |
| $table->jsonb('options'); | JSONB equivalent column. |
| $table->lineString('positions'); | LINESTRING equivalent column. |
| $table->longText('description'); | LONGTEXT equivalent column. |
| $table->macAddress('device'); | MAC address equivalent column. |
| $table->mediumIncrements('id'); | Auto-incrementing UNSIGNED MEDIUMINT (primary key) equivalent column. |
| $table->mediumInteger('votes'); | MEDIUMINT equivalent column. |
| $table->mediumText('description'); | MEDIUMTEXT equivalent column. |
| $table->morphs('taggable'); | Adds taggable\_id UNSIGNED BIGINT and taggable\_type VARCHAR equivalent columns. |
| $table->multiLineString('positions'); | MULTILINESTRING equivalent column. |
| $table->multiPoint('positions'); | MULTIPOINT equivalent column. |
| $table->multiPolygon('positions'); | MULTIPOLYGON equivalent column. |
| $table->nullableMorphs('taggable'); | Adds nullable versions of morphs() columns. |
| $table->nullableTimestamps(); | Alias of timestamps() method. |
| $table->point('position'); | POINT equivalent column. |
| $table->polygon('positions'); | POLYGON equivalent column. |
| $table->rememberToken(); | Adds a nullable remember\_token VARCHAR(100) equivalent column. |
| $table->smallIncrements('id'); | Auto-incrementing UNSIGNED SMALLINT (primary key) equivalent column. |
| $table->smallInteger('votes'); | SMALLINT equivalent column. |
| $table->softDeletes(); | Adds a nullable deleted\_at TIMESTAMP equivalent column for soft deletes. |
| $table->softDeletesTz(); | Adds a nullable deleted\_at TIMESTAMP (with timezone) equivalent column for soft deletes. |
| $table->string('name', 100); | VARCHAR equivalent column with a optional length. |
| $table->text('description'); | TEXT equivalent column. |
| $table->time('sunrise'); | TIME equivalent column. |
| $table->timeTz('sunrise'); | TIME (with timezone) equivalent column. |
| $table->timestamp('added\_on'); | TIMESTAMP equivalent column. |
| $table->timestampTz('added\_on'); | TIMESTAMP (with timezone) equivalent column. |
| $table->timestamps(); | Adds nullable created\_at and updated\_at TIMESTAMP equivalent columns. |
| $table->timestampsTz(); | Adds nullable created\_at and updated\_at TIMESTAMP (with timezone) equivalent columns. |
| $table->tinyIncrements('id'); | Auto-incrementing UNSIGNED TINYINT (primary key) equivalent column. |
| $table->tinyInteger('votes'); | TINYINT equivalent column. |
| $table->unsignedBigInteger('votes'); | UNSIGNED BIGINT equivalent column. |
| $table->unsignedDecimal('amount', 8, 2); | UNSIGNED DECIMAL equivalent column with a precision (total digits) and scale (decimal digits). |
| $table->unsignedInteger('votes'); | UNSIGNED INTEGER equivalent column. |
| $table->unsignedMediumInteger('votes'); | UNSIGNED MEDIUMINT equivalent column. |
| $table->unsignedSmallInteger('votes'); | UNSIGNED SMALLINT equivalent column. |
| $table->unsignedTinyInteger('votes'); | UNSIGNED TINYINT equivalent column. |
| $table->uuid('id'); | UUID equivalent column. |
| $table->year('birth\_year'); | YEAR equivalent column. |

Schema::table('users', function (Blueprint $table) {

$table->string('email')->nullable();

});

Below is a list of all the available column modifiers. This list does not include the [index modifiers](https://laravel.com/docs/5.7/migrations#creating-indexes):

| **Modifier** | **Description** |
| --- | --- |
| ->after('column') | Place the column "after" another column (MySQL) |
| ->autoIncrement() | Set INTEGER columns as auto-increment (primary key) |
| ->charset('utf8') | Specify a character set for the column (MySQL) |
| ->collation('utf8\_unicode\_ci') | Specify a collation for the column (MySQL/SQL Server) |
| ->comment('my comment') | Add a comment to a column (MySQL/PostgreSQL) |
| ->default($value) | Specify a "default" value for the column |
| ->first() | Place the column "first" in the table (MySQL) |
| ->nullable($value = true) | Allows (by default) NULL values to be inserted into the column |
| ->storedAs($expression) | Create a stored generated column (MySQL) |
| ->unsigned() | Set INTEGER columns as UNSIGNED (MySQL) |
| ->useCurrent() | Set TIMESTAMP columns to use CURRENT\_TIMESTAMP as default value |
| ->virtualAs($expression) | Create a virtual generated column (MySQL) |
| ->generatedAs($expression) | Create an identity column with specified sequence options (PostgreSQL) |
| ->always() | Defines the precedence of sequence values over input for an identity column (PostgreSQL) |