

5

SugarCRM Database Schematics

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All our work so far has mainly been with the SugarCRM PHP files on the web server, and we've only dipped a little bit into the database. However, we're going to rectify that in Chapters 5 and 6.

The aim of this chapter is to map out the key areas of the database, and to see how the tables of the database are linked together. And so, we won't actually be doing practical work in this chapter – this is all reference material.

The areas covered by this chapter and Chapter 6 are:

- Database schematic diagrams – We will show you how the tables are related to each other in the database in this chapter.
- SugarCRM table definitions – We will show you the actual structure of each table in the database in the next chapter.

You can then use the contents of the chapters to build your own SQL statements. These are useful if you want to add SQL statements into your new modules and create your own custom reports or run batch programs external to SugarCRM – for example using cron to run regular shell scripts.

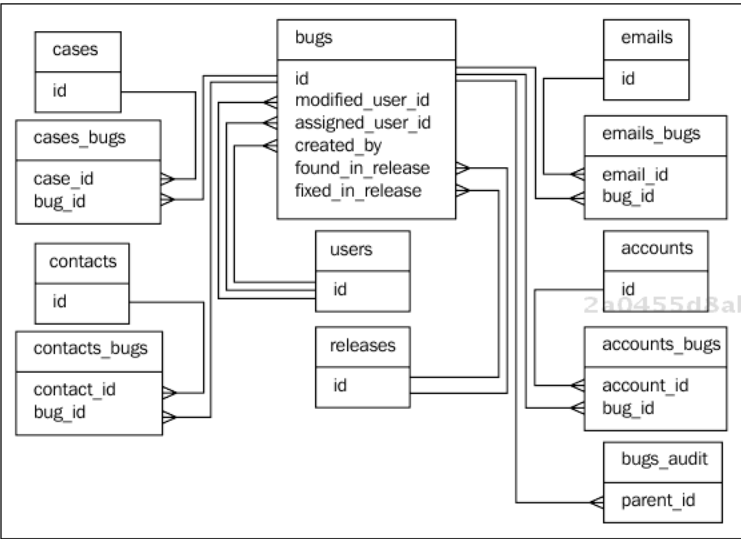
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Database Schematic Diagrams

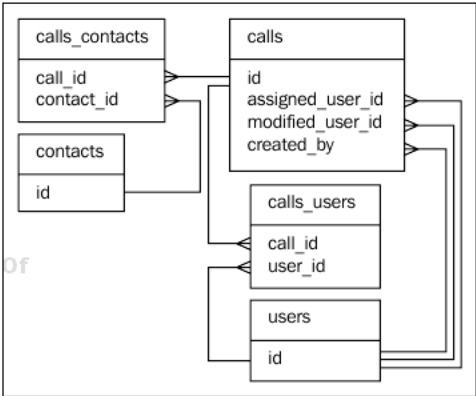
The database schematic diagrams show the relationships between tables in the database. They don't show all the fields in each table – just the fields that can be used in join statements. Refer to the table definitions in Chapter 6 for details of all of the fields in any particular table.

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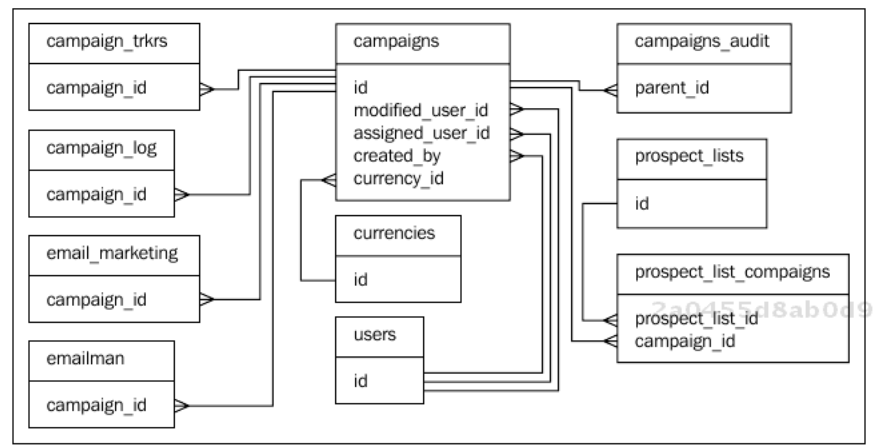
Bugs



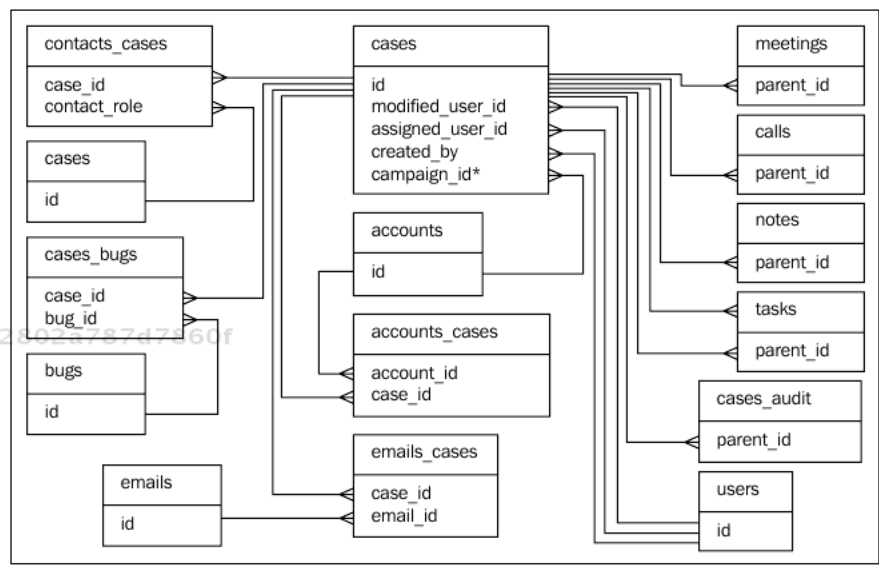
Calls



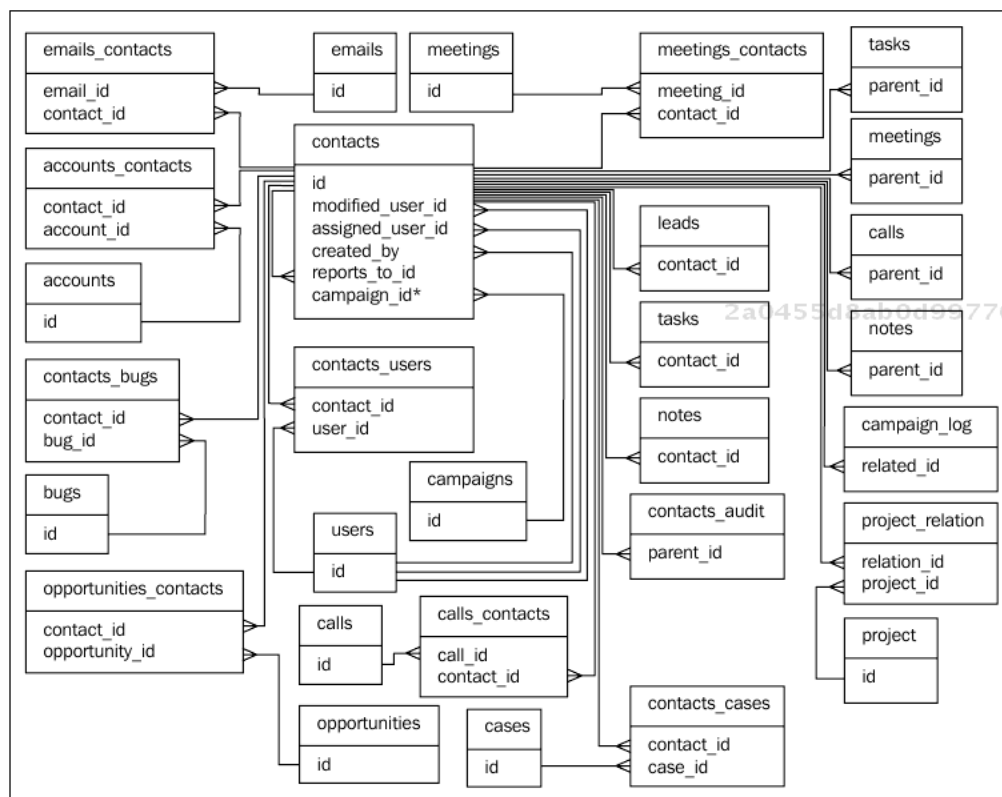
Campaigns



Cases

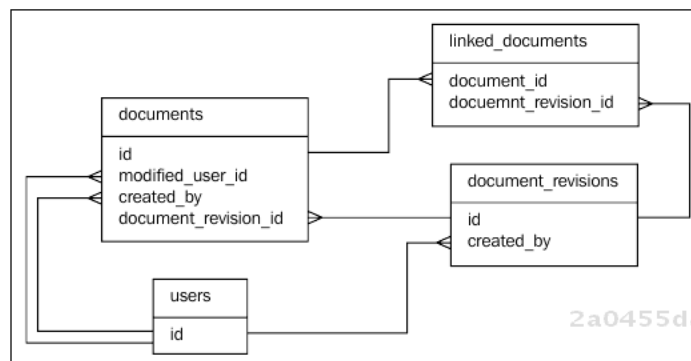


Contacts

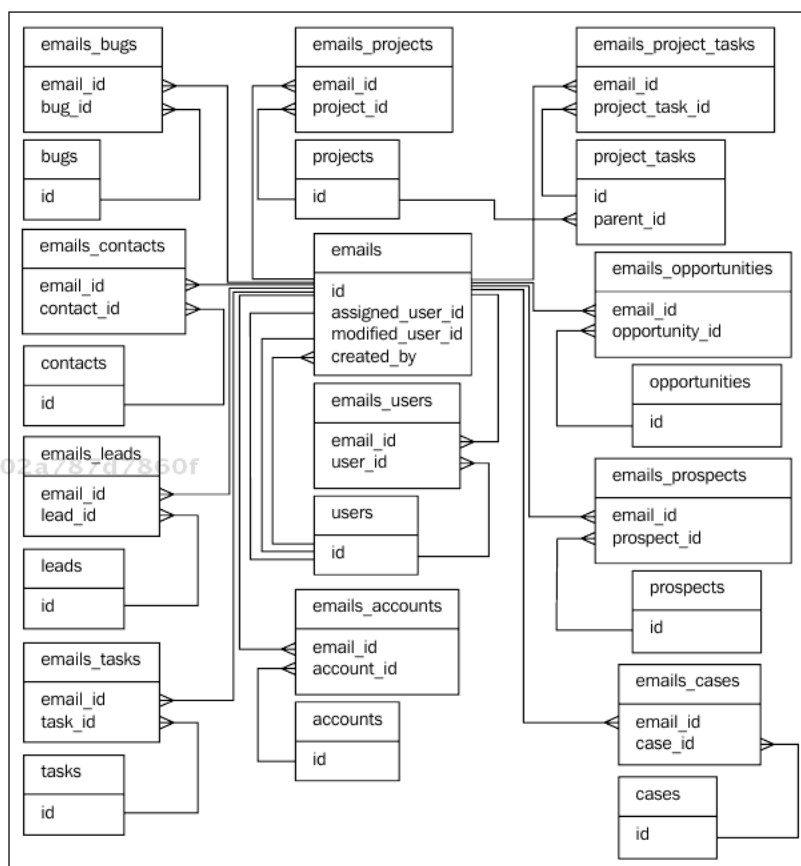


* Added in version 4.5.1

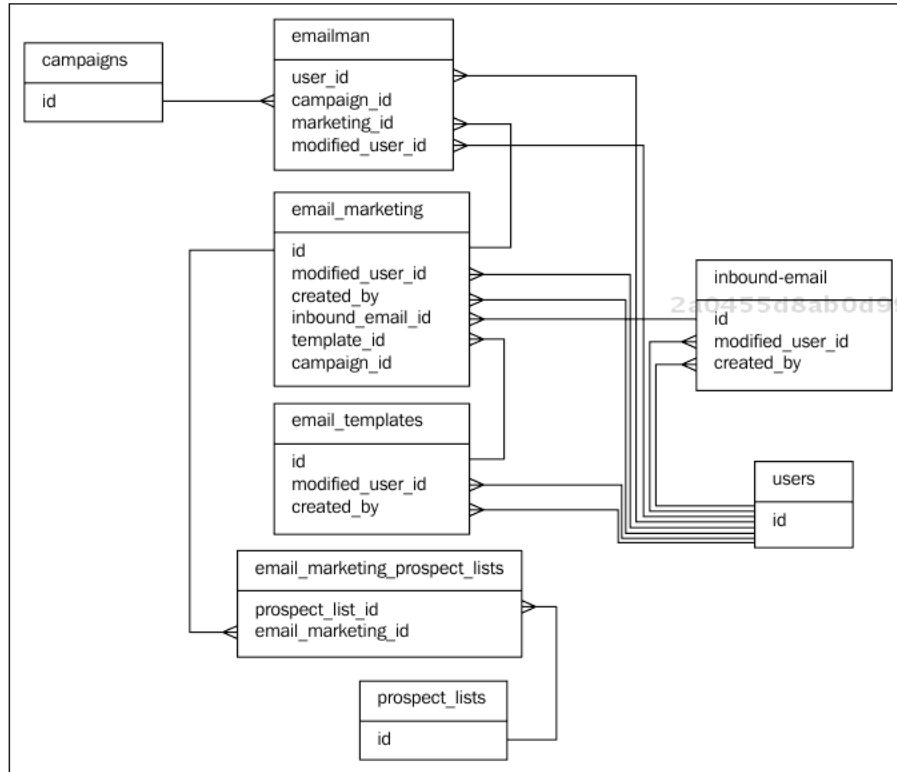
Documents



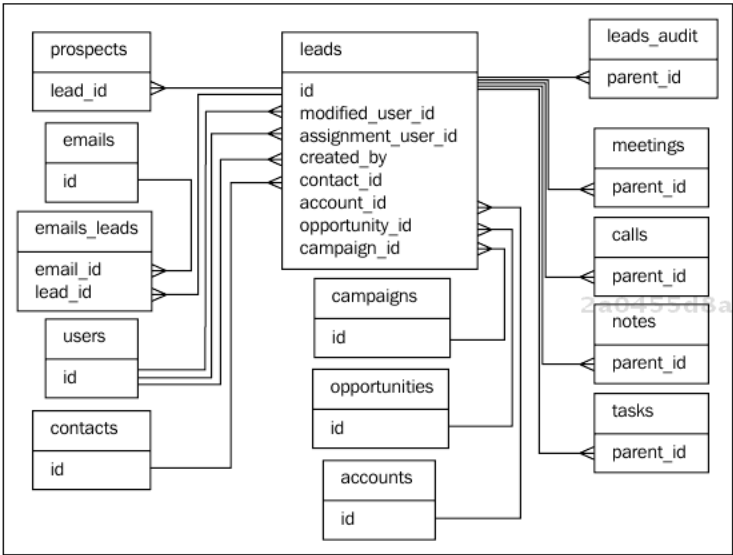
Emails



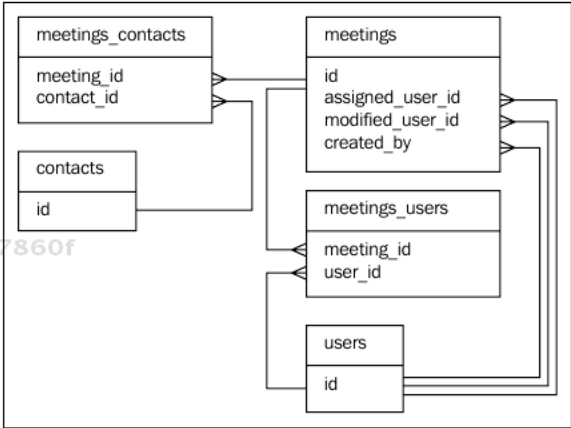
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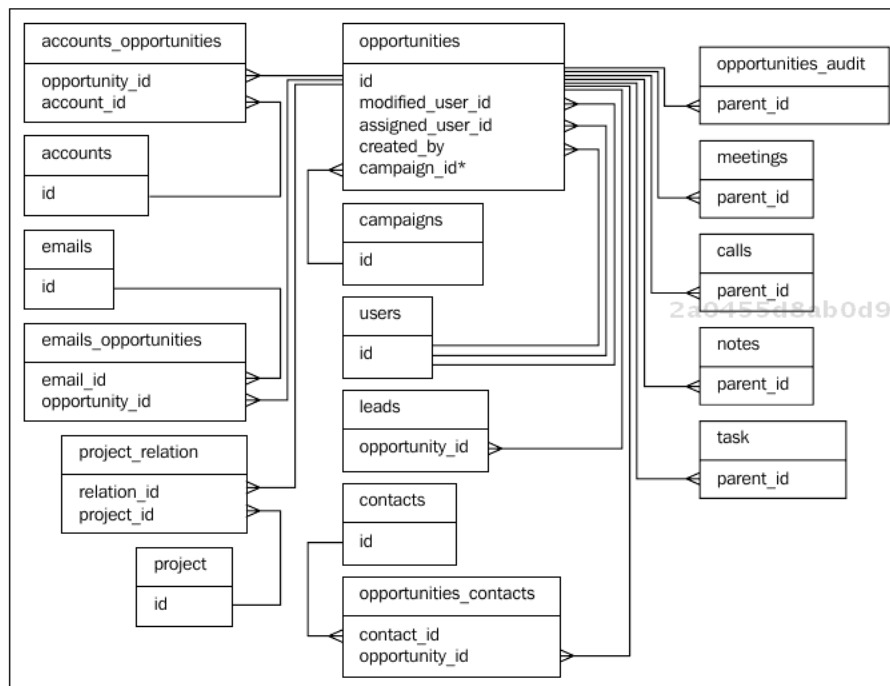
Leads



Meetings

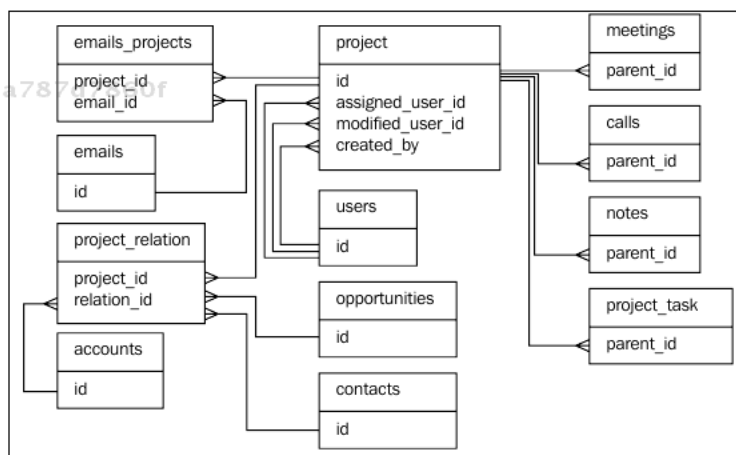


Opportunities

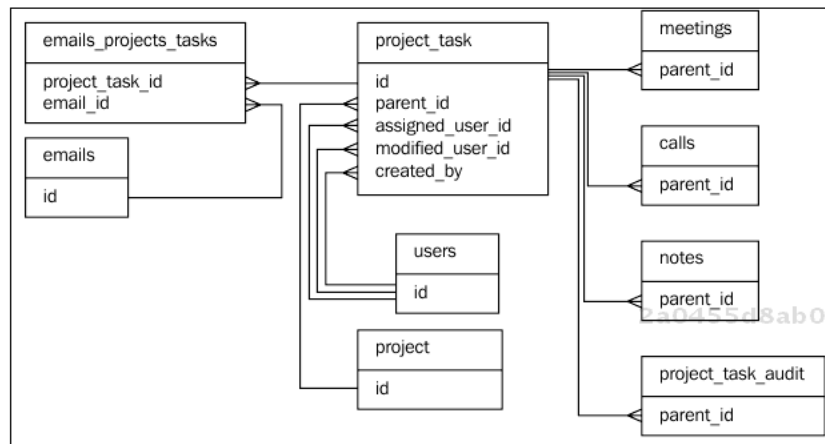


* Added in version 4.5.1

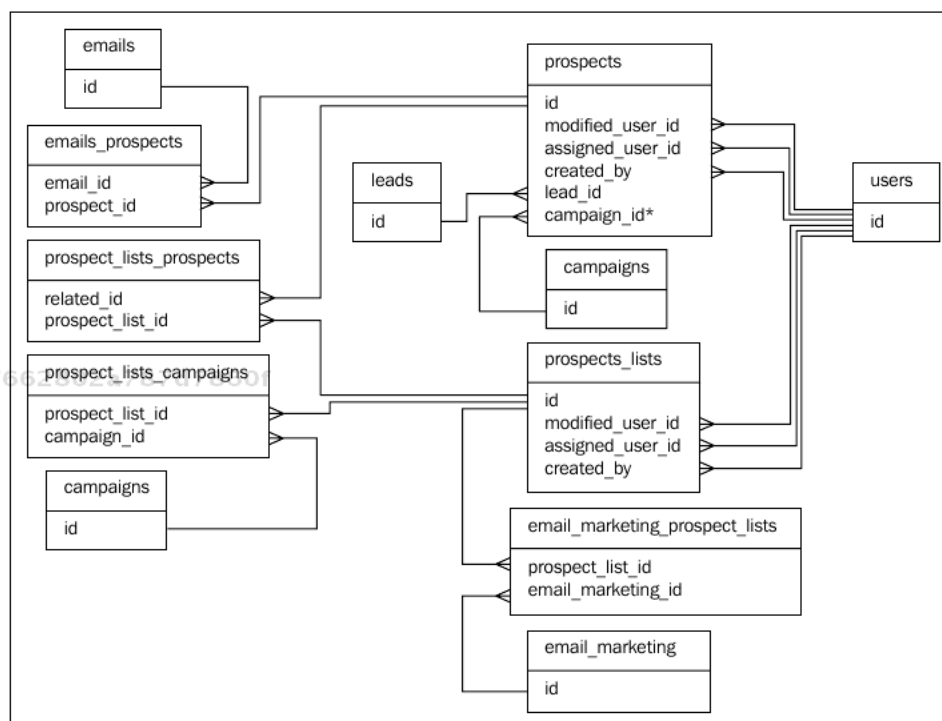
Projects



Project Tasks

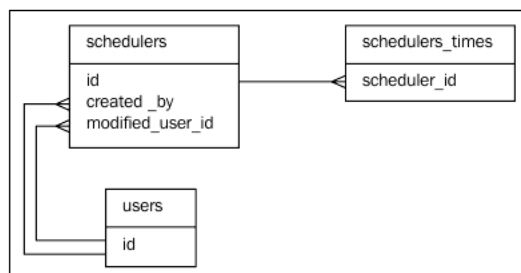


Prospects



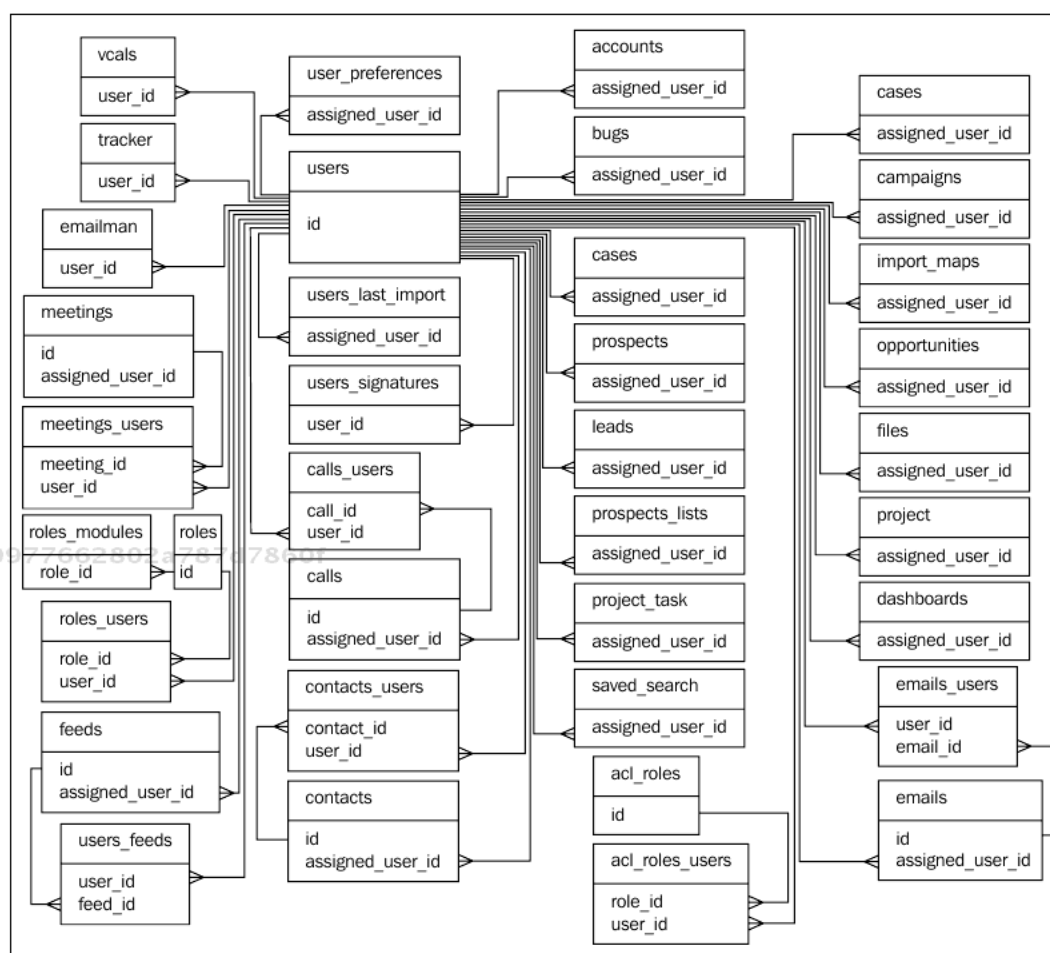
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Schedulers



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Users



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Differences Between Versions 4.5.0 and 4.5.1

There are a few additional relationships that have been added into SugarCRM version 4.5.1 – these are all marked in the diagrams.

Summary

It's unlikely that you will have read this chapter from end to end. However, you will (hopefully) find it invaluable when you start to build SQL statements. Remember to use the schematic diagram to understand how the tables fit together. So having seen the database schematics you want to see what fields are available in each table; we will see this in the next chapter.