

# Re: How to handle large number of users

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*Source:*

<http://coding.derkeiler.com/Archive/Delphi/borland.public.delphi.non-technical/2008-01/msg02704.html>

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- *From:* "Dave Hackett" <[dave.hackett@xxxxxxxxxxxxxxxxxxxx](mailto:dave.hackett@xxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Mon, 21 Jan 2008 13:58:37 -0400
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FYI, your cell phone app won't interact with a database directly. Typically mobile apps communicate over SMS or a direct IP connection. In either case, the server handling the millions of transactions is like a web server application. And yes, if done properly, these server applications will scale to handle your loads.

The SMS interactions are usually translated to some backend processing which does the real database communications. In really large systems, we use Messaging Systems between the SMS handler and the database app such that transactions can be queued rather than making others wait. These topics are well covered in Enterprise Computing and Distributed Computing publications.

Stick with good frameworks for each tier and you should have no problems. Start from scratch and you've got a lot of testing ahead of you.

DaveH

"Sandeep Chandra" <[sandeep\\_c24@xxxxxxxxxx](mailto:sandeep_c24@xxxxxxxxxx)> wrote in message [news:4791cc54@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:4791cc54@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

At this stage I am just trying to study what will be required to get such a big application to work. The reason I was asking this question here was to find out if anyone here has done anything this big and how to go about doing things for such a big job.

The client app will work on mobile phones using WinCE and it is just a small app updating some tables in the database on the server.

I think the system is mission critical as the mobile phone has to be disabled (disable calling and sms) based on certain conditions and if not done the company will loose money. So, if the company thinks they will have millions of user and if they loose 1 dollar on a single mobile they end up losing millions.

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Regards

Sandeep