**Simple And Secure Android TO DO List Application**

**Abstract:**

A 'To Do List' is a list of all the tasks that you need to carry out. It consolidates all the jobs that you have to do into one place. You can then prioritize these tasks into order of importance. This allows you to tackle the most important ones first. To Do Lists are essential where you need to carry out a number of different tasks or different sorts of task, or where you have made a number of commitments. If you find that you are often caught out because you have forgotten to do something, then you need to keep a To Do List.

 Whilst To Do Lists are very simple, they are also extremely powerful, both as a method of organizing yourself and as a way of reducing stress. Often problems may seem overwhelming or you may have a seemingly huge number of demands on your time. This may leave you feeling out of control, and overburdened with work .Note that while this list takes into consideration the best to-do apps available for the Android platform, we know that you use multiple screens in the course of your day. Keeping that in mind, we incorporate the best total services that will help keep you organized across your phone, tablet, laptop, and work computer.

**Existing system**:

Modern life is all about doing things. Constantly. Between family, friends, work, pets, and fantasy hockey leagues, something always needs doing. And just when you think you’ve got all those things done—bam!—it’s two in the morning and you wake up in a panic over all those other things you forgot about.

There is only one disadvantage of a to-do list. It doesn’t work!

There are two main reasons why it doesn’t work. The first is that you never get more than a third of the way down the list. The second is that for every item that you cross off the list, you think of another three items to go on it.The result is that you end up with a huge, growing, indigestible lump of unactioned items which gets tranferred day after day. Many of these will never become urgent or important enough to get actioned. And yet if they don’t need doing, why are they on your list in the first place? First rule of time management: the question is not what priority something is, but whether it needs doing at all.

Disadvantage:

 Not a secure application.

**Proposed System:**

Life is hectic!   Things to do.  Places to go.  Things to remember.  Deadlines to meet. Appointments to make.  With all of these things to think about simultaneously, you will certainly feel overwhelmed at times.But you can take ownership of the situation and manage it appropriately so that you alleviate your stress. A great way to do this is to add order to your life by creating to-do lists.  To-do lists can be used to document the tasks you have to complete in a particular, day, week, year, etc.  They can be detailed or concise; but the important thing is that your to-do list has enough information to keep you in check and on track!

The theory behind a to-do list goes something like this. First thing in the morning before you start anything else, you write down everything you have to do during the day (or even better do this as your last action the previous day). You then go carefully through the list and work out what order to do the items in the list. There are various methods of prioritising the list, but they all boil down to some form of balancing urgency and importance.You can add items during the day as they arise, and allocate them appropriate priorities.Then all you have to do is take action on each item in their prioritised order. Any items you have not actioned by the end of the day are carried forward to the next day’s list.

The advantages of a to-do list are obvious: everything is prioritised; you know exactly what to do next; things which are urgent and/or important get done first; items don’t get lost; and you have somewhere to write new things as they arise.

Advantage:

**Organize Your Tasks.** Use folders, tags, contexts, subtasks and more to organize, search and sort through your tasks.

**Improve Your Productivity.** Todo's hotlist, customizable alarms, and sortable online to-do list will help you remember to complete tasks on-time.

**Go Anywhere.** Get Todo on your mobile phone, in your email, on your calendar, integrated directly into your web browser, and more.

**Collaborate.** Easily work with other people on shared projects with Todo's collaboration tools.**Customize.** Select fields you want to use and define how you want to view your tasks. Todo is incredibly flexible and customizable.

**Secure**:It’s a secure application.

**Main Modules:**

**Task**: A task is a to-do entry that must, at a minimum, maintain the following information:

***Title***: The title of the task (e.g. “Meet with Lecturer”)
***Due date***: the due date of a task (e.g. March 5, 2012)
***Note***: Additional notes describing the task to be performed, which might include the venue at which the task is to be performed, e.g. “meeting room 14.10.06”
***Priority Level***: One of three possible values, High, Medium or Low. This will determine how the Task list is sorted (discussed in more detail below).
***Collaborators***: List of email addresses identifying individuals who will be collaborating on this task, as picked from the user’s contacts list.
*Group*: The category or group that this task belongs to (discussed in more detail below).
***Completion Status***: A Boolean value indicating whether or not a given Task has been completed.
***Id*:** A randomly generated combination of numbers and letters, which uniquely identifies a title (not visible to the user).

**Task Group**: Tasks can be organized and grouped together. In addition to its constituent tasks, each task group has the following information:

*Title*: The name of the Task Group (e.g. Shopping List, To-Read List)
*Id*: A randomly generated combination of numbers and letters, which uniquely identify a group.

**Add or Remove Tasks**:

 The application allows the creation of an unbounded set of Tasks each belonging to one of four predefined Task Groups.

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**Edit Task Details**:

Users are able to edit details about a Task including the ability to check/uncheck the completion status of a task, as well as add or remove collaborators.

**View Task Group**:

 The program can display a list of Tasks in a given Task Group and allow sorting by either due date, priority or the order the tasks were added.

**System Requirements:**

**Hardware Requirements:**

* **System : Pentium IV 2.4 GHz.**
* **Hard Disk : 40 GB.**
* **Floppy Drive : : 1.44 Mb.**
* **Monitor : 15 VGA Colour.**
* **Mouse : Logitech.**
* **Ram : 512 Mb.**

Software Requirements:

* **Operating system : Windows XP.**
* **Coding Language : Java 1.6**
* **Tool Kit : Android 2.2**
* **IDE : Eclipse**