

# Project Proposal

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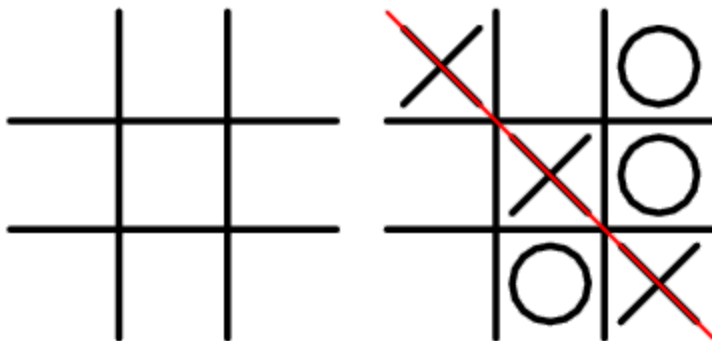
## 1. Projects

### a. Multi - player tic tac toe:

Aim : The aim of this project is to develop a multi-player application for the game tic tac toe, integrating it with Google play game services to maintain cloud based scoreboards.

This will provide the following features such as:

- Let players compare their scores.
- The player can save the progress/score of the game.
- The player can pause the game on one device and resume the game from other device.



### b. Reminder application:

Aim:

The aim of this project is to provide an application:

- To maintain a “to-do things” list.
- Set up an reminder alarm for any of the tasks in the “to-do things” list.
- Allows to divide a task into multiple sub tasks.
- Categorize the task in different ways such as birthdays, work, home etc.
- Allows sending reminders to people in the user’s contact list in the form of a text message.

### c. Bedtime story application for kids

Aim: The aim of this project is :

- To develop an application for kids which reads out their favourite stories from the book pdf.
- Highlighting the words in the book pdf.
- synchronise the reading with the sentence of the book being read by highlighting ie by focusing on the words that are being read.

## 2. Project Description

### a. Bedtime Story Application

User Interface:

- The user can view the list of book pdfs which he has downloaded.
- The user can select one of pdf that he wants to be read out.
- The pdf selection from the list will trigger the full screen view of the book pdf.
- The user can select the page from that user wants to be read out.
- The user can also bookmark a particular page.
- The user can also select any of the following options.
  - ◆ Start : Start reading the book from page the user selected or from the default page(Page 1 if the user did not select any page).
  - ◆ Pause : Pause the reading of the pdf.
  - ◆ Resume : Resume the reading of the pdf.
  - ◆ Stop : Stop the reading of the pdf .

## SDK Elements:

The SDK elements we plan to use for the UI are:

- ListView: To display the list of book pdf as scrollable items.
- Activity : UI to show views
- Fragments : UI to show views
- ScrollView: Open the pdf in the form of scroll view.
- Menu: Provide various options to the user such as view bookmarks, select page etc.
- PopupWindow: Triggered on the selection of the option of select page from the menu, that will allow the user to enter the page number.
- EditText: Allow the user to enter the page number.
- Button(Go to page): After entering the page number the user should click to “Go to page” which will trigger the view scrolling to the selected page.
  - Button(for play,pause,stop,resume): Add buttons which allows the user to perform action such as play,pause etc of the book pdf reading.