Project Capstone

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Cricket

Description

This is a cricket game live score app. You can view realtime ball by ball update of current matches. Get schedule of upcoming matches or see result of recent matches. Stay updated with live scores even when app is not open by adding Cricket's App Widget to Home screen.

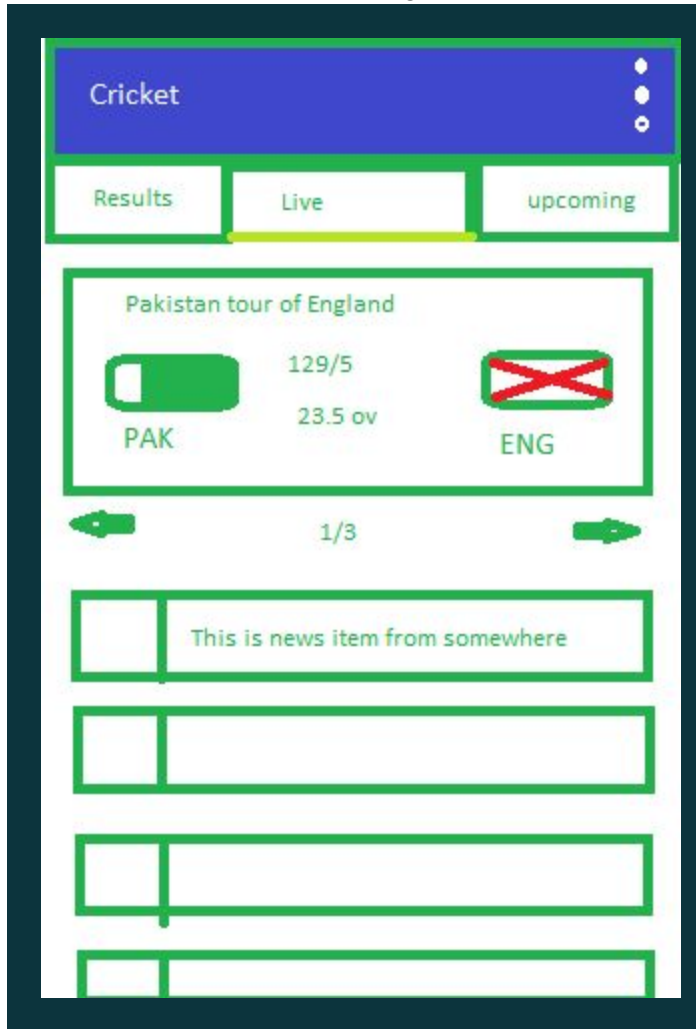## Intended User

All Cricket lovers

Features

- Live cricket score updates
- Displays result of most recent matches.
- Get schedule of upcoming matches.
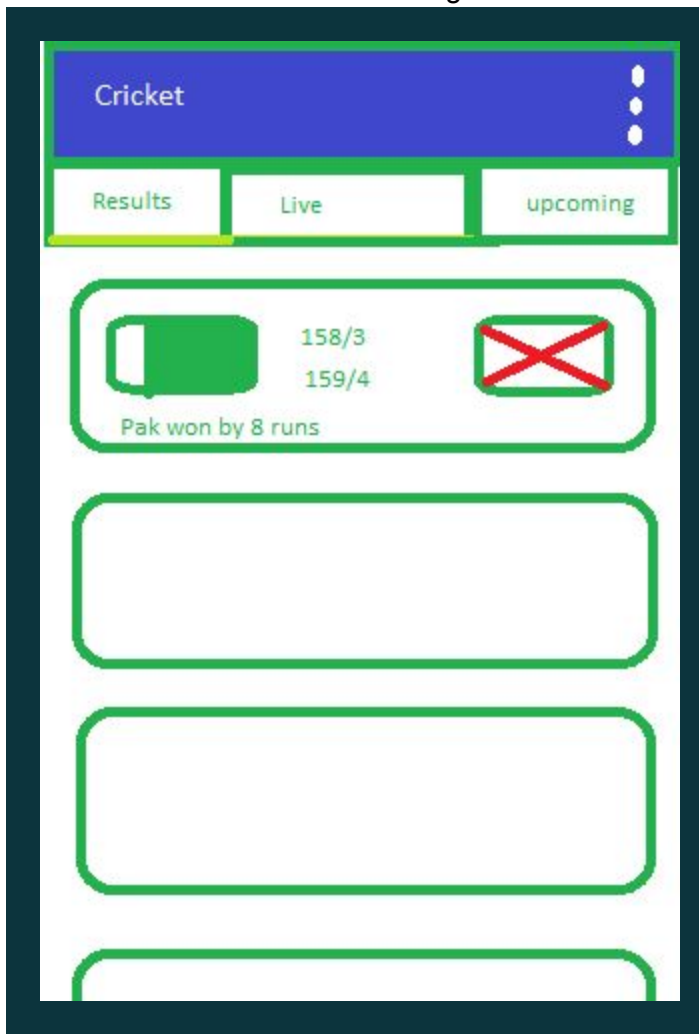
User Interface Mocks

MainActivity

MainActivity with TabLayout to show results, live scores and upcoming matches list.
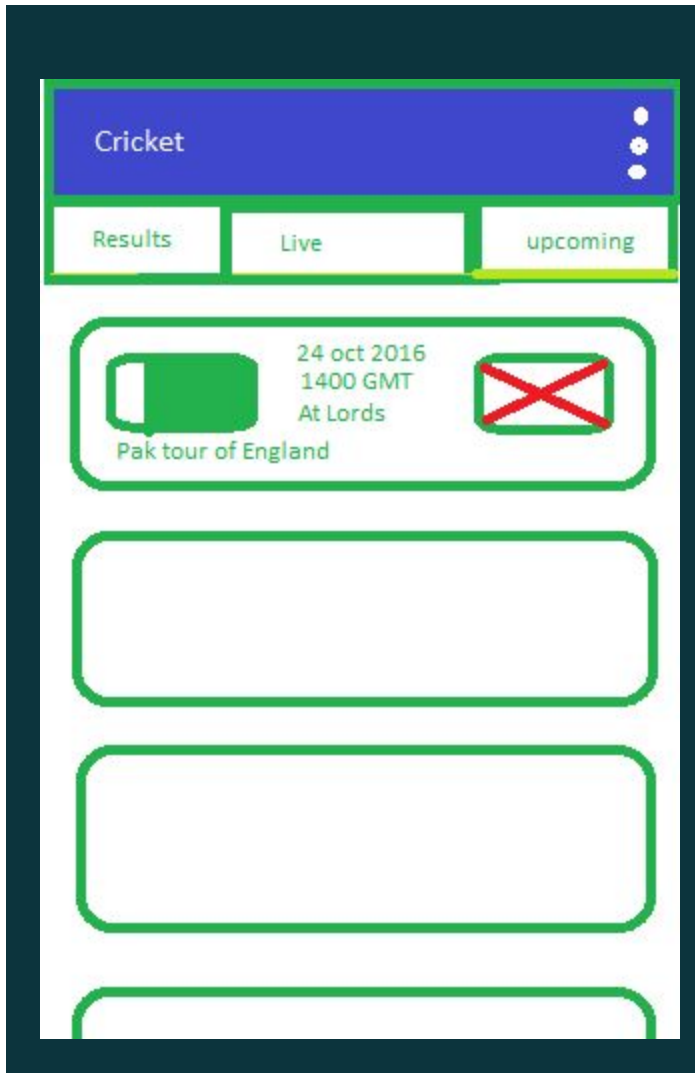
1.Live tab with associated Fragment to show current matches with their summary.

2.Results tab with associated Fragment to show list of recent matches with their result.

3.Upcoming tab with associated Fragment to show list of upcoming matches with time, date and avenue.
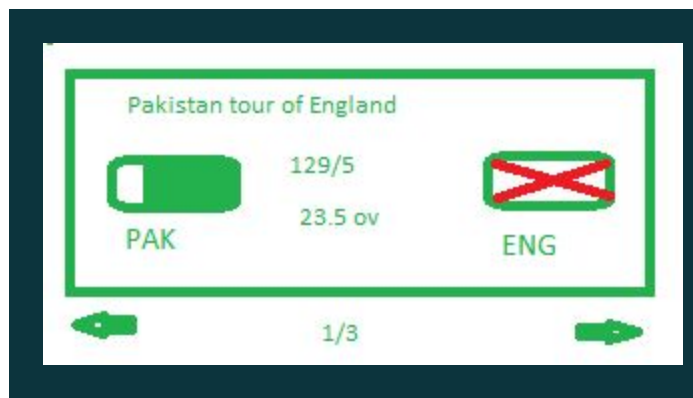
ScorecardActivity

ScorecardActivity shows detailed scorecard of live matches when user clicks on any of live matches list item from MainActivity.

AppWidget

Home screen AppWidget shows list of live matches with their summary.

Key Considerations

How will your app handle data persistence?

Content provider.

Describe any corner cases in the UX.

For example, how does the user return to a Now Playing screen in a media player if they hit the back button?

Describe any libraries you'll be using and share your reasoning for including them.

1. Picasso to handle the loading and caching of images.
2. Volley for networking.
3. Schematic to automatically generate a ContentProvider backed by an SQLite database.

Describe how you will implement Google Play Services.

Google encourages to use Firebase SDK for new mobile apps
1. Firebase Analytics for analytics
2. Firebase Admob for ads

Required Tasks:

Task 1: Project Setup
- Create Github repo
- Configure libraries
- Set up Firebase Analytics and Admob

Task 2: Implement data persistence and data sync
- Create content provider
- Create Sync Adapter
- Create helper class to perform utility functions (i.e. url generation, data loading from YQL)

Task 3: Implement UI for Each Activity and Fragment
- Build UI for MainActivity
- Build UI for ScorecardActivity

Task 4: Build App Widget to show live scores on Home screen
- Build UI for App Widget
- Implement WidgetProvider and RemoteViewsService class.