

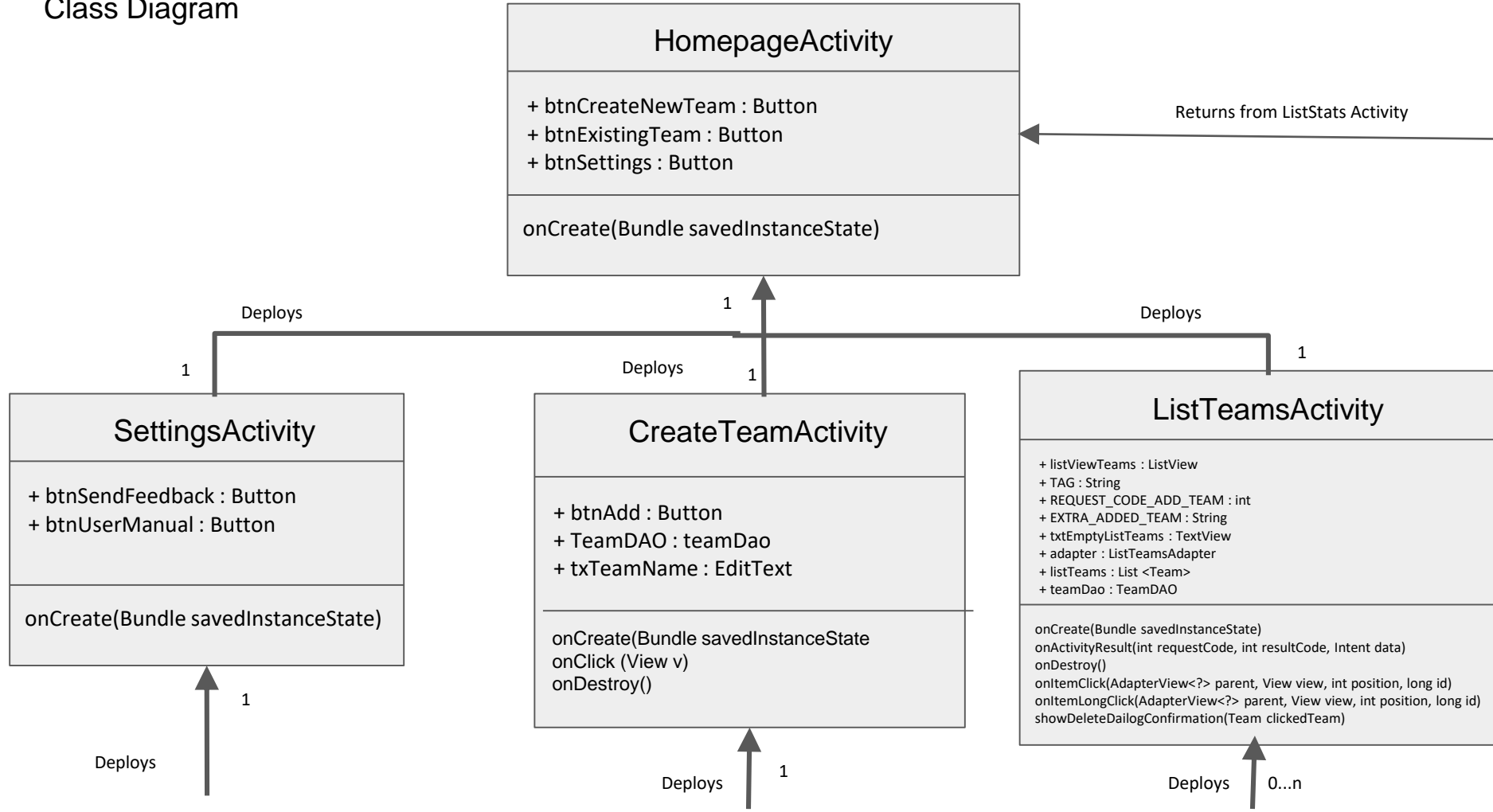
Analysis Model

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Class Diagram Notes

- Spans the next seven pages
- 23 classes
- Take note of the top box starting each page, for example the first slide is our homepage and the three classes that come from it (you will see `SettingsActivity`, `CreateTeamActivity` and `ListTeamsActivity`, all which will be expanded on during the next pages)

Class Diagram



1

SettingsActivity

+ btnSendFeedback : Button
+ btnUserManual : Button

onCreate(Bundle savedInstanceState)

1

Deploys

1

SendFeedbackActivity

+ etxtFeedbackSubject : EditText
+ etxtFeedbackResponse: EditText
+ btnFeedbackSubmit : Button

onCreate(Bundle savedInstanceState)

DatabaseHelper

+ TAG : String
+ TABLE_TEAMS : String
+ COLUMN_TEAM_ID : String
+ COLUMN_TEAM_NAME : String
+ TABLE_POSITIONS : String
+ COLUMN_POSTION_ID : String
+ COLUMN_POSITION_NAME : String
+ COLUMN_POSITION_TEAM_ID : String
+ TABLE_STATISTICS : String
+ COLUMN_STATISTIC_ID : String
+ COLUMN_STATISTIC_NAME : String
+ COLUMN_STATISTIC_VALUE : String
+ COLUMN_STATISTIC_VALUE : String
+ DATABASE_NAME : String
+ DATABASE_VERSION : int
+ SQL_CREATE_TABLE_STATISTICS : String
+ SQL_CREATE_TABLE_POSITIONS : String
+ SQL_CREATE_TABLE_TEAMS : String

onCreate(SQLiteDatabase db)
DatabaseHelper(Context context)
onUpgrade(SQLiteDatabase db, int oldVersion,
int newVersion)

Gives Access To
TeamDAO

1

1

Gives Access To
PositionDAO

1

Gives Access To
StatisticsDAO

1

1

From CreateTeamActivity

1

1,N

1,N

Team

+ TAG : String
+ serialVersionUID : long
+ id : long
+ name : String

Team()
Team(String name)
getID()
setID(long mId)
getName()
setName(String mFirstName)

Accesses
Data

1

1

TeamDAO

+ TAG : String
+ database : SQLiteDatabase
+ databaseHelper : DatabaseHelper
+ context : Context
+ allColumns : String []

TeamDAO (Context context)
open()
close()
createTeam(String name)
DeleteTeam(Team team)
getAllTeams()
getTeamById(long id)
cursorToTeam(Cursor cursor)
cursorToTeamById(Cursor cursor)

Access
DB Info

1

1

ListTeamsAdapter

+ TAG : String
+ items : List<Team>
+ inflater : LayoutInflater

ListTeamsAdapter (Context context, List<Team>
listTeams)
getCount()
getItem(int position)
getItemId(int position)
getView(int position, View convertView,
ViewGroup parent)
getItems()
setItems(List<Team> mlItems)

1

ListPositionsActivity

+ TAG : String
+ REQUEST_CODE_ADD_POSITION : int
+ REQUEST_CODE_STATS_LIST : int
+ EXTRA_ADDED_POSITION : String
+ EXTRA_SELECTED_TEAM_ID : String
+ listViewPositions : ListView
+ txtEmptyListPositions : TextView
+ btnAddPostion : Button
+ adapter : ListPositionAdapter
+ listAdapter : List<Position>
+ positionDAO : PositionDAO
+ teamID : long
+ team : Team

onCreate(Bundle savedInstanceState)
onClick(View v)
onActivityResult(int requestCode, int resultCode, Intent
data)
onDestroy()
onItemClick(AdapterView<?> parent, View view, int
position, long id)
onItemLongClick(AdapterView<?> parent, View view, int
position, long id)
showDeleteDialogConfirmation(final Position position)

1,N

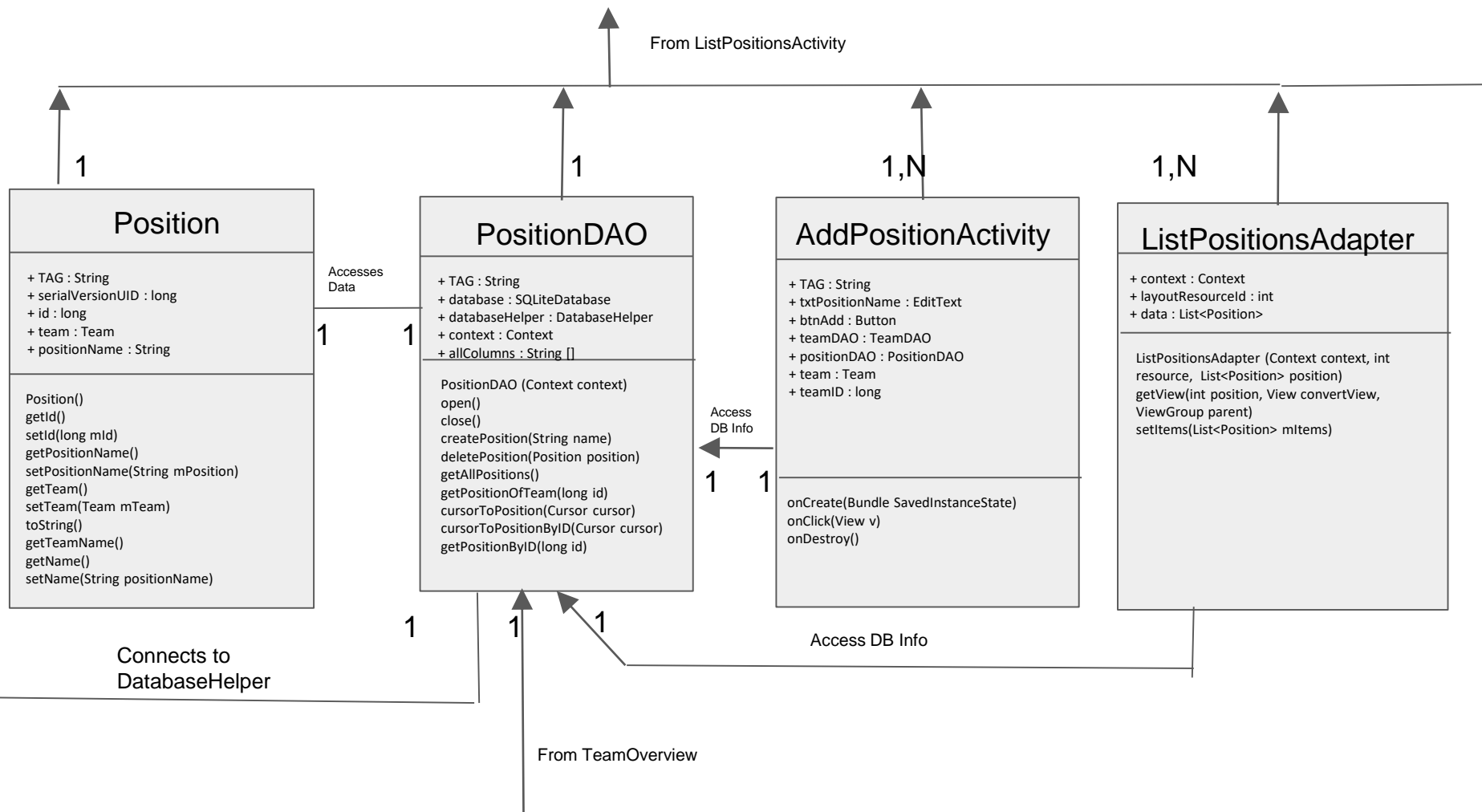
Connects to
DatabaseHelper

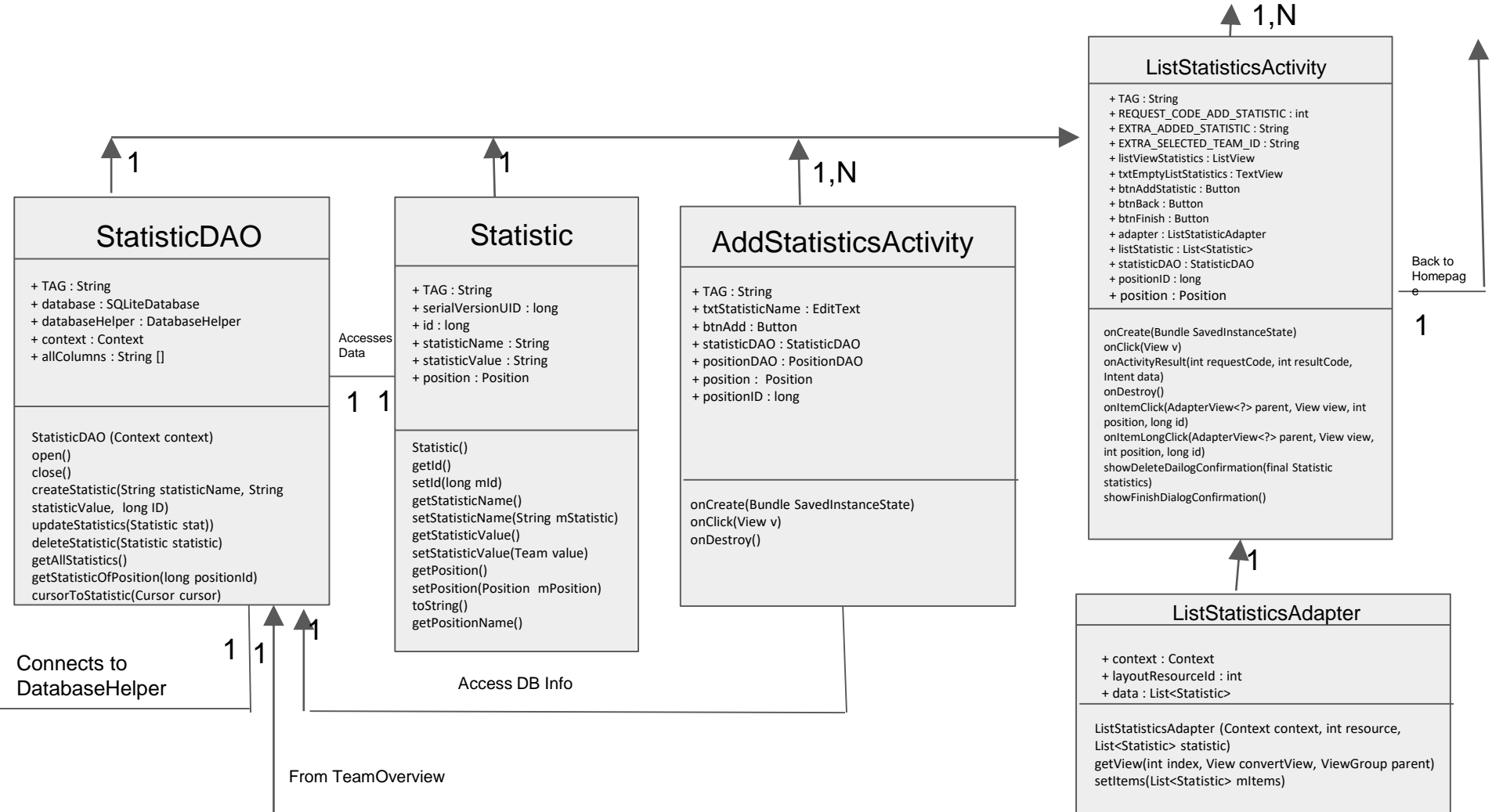
1

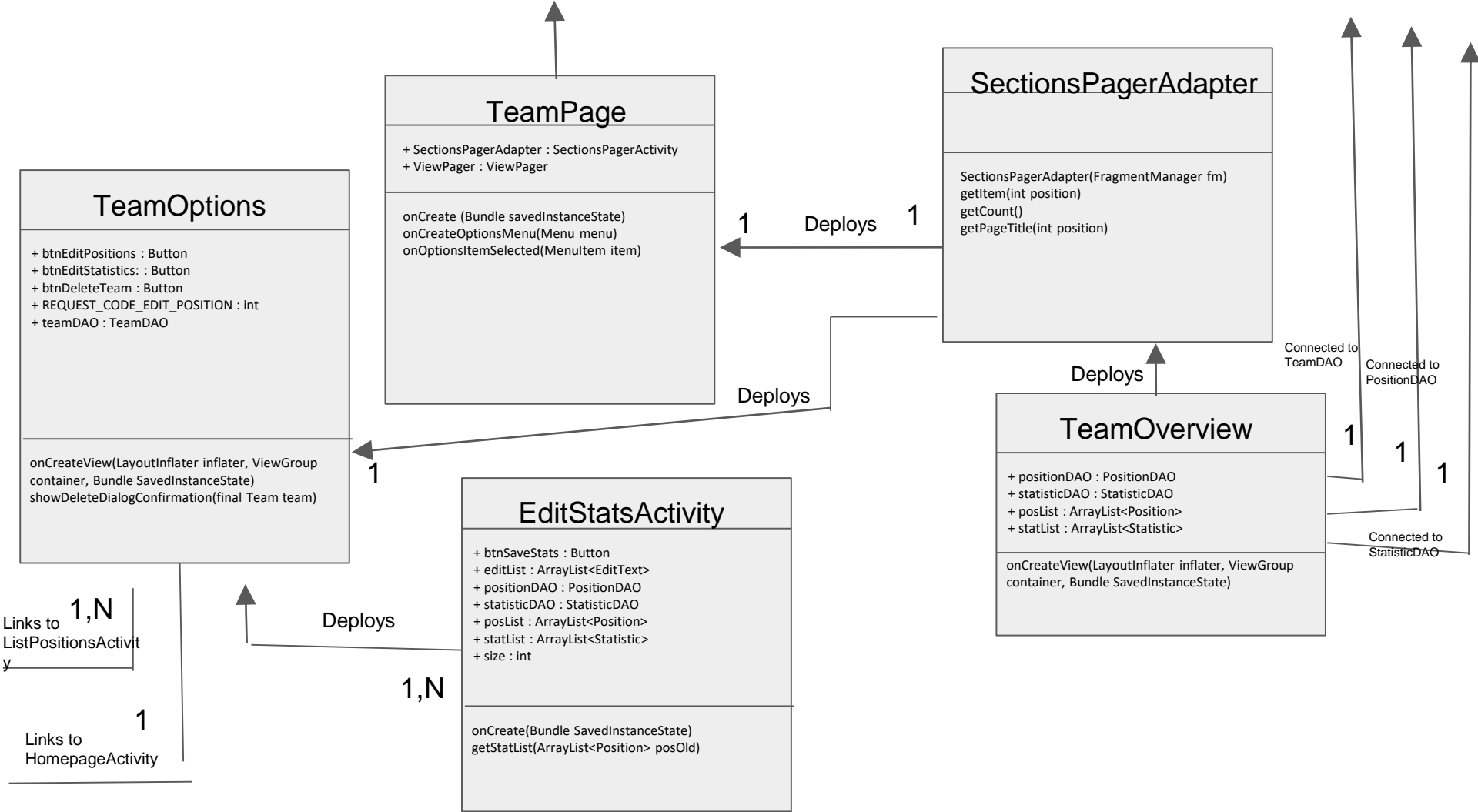
From TeamOverview

Connects to ListTeamsActivity

Links from
TeamOptions



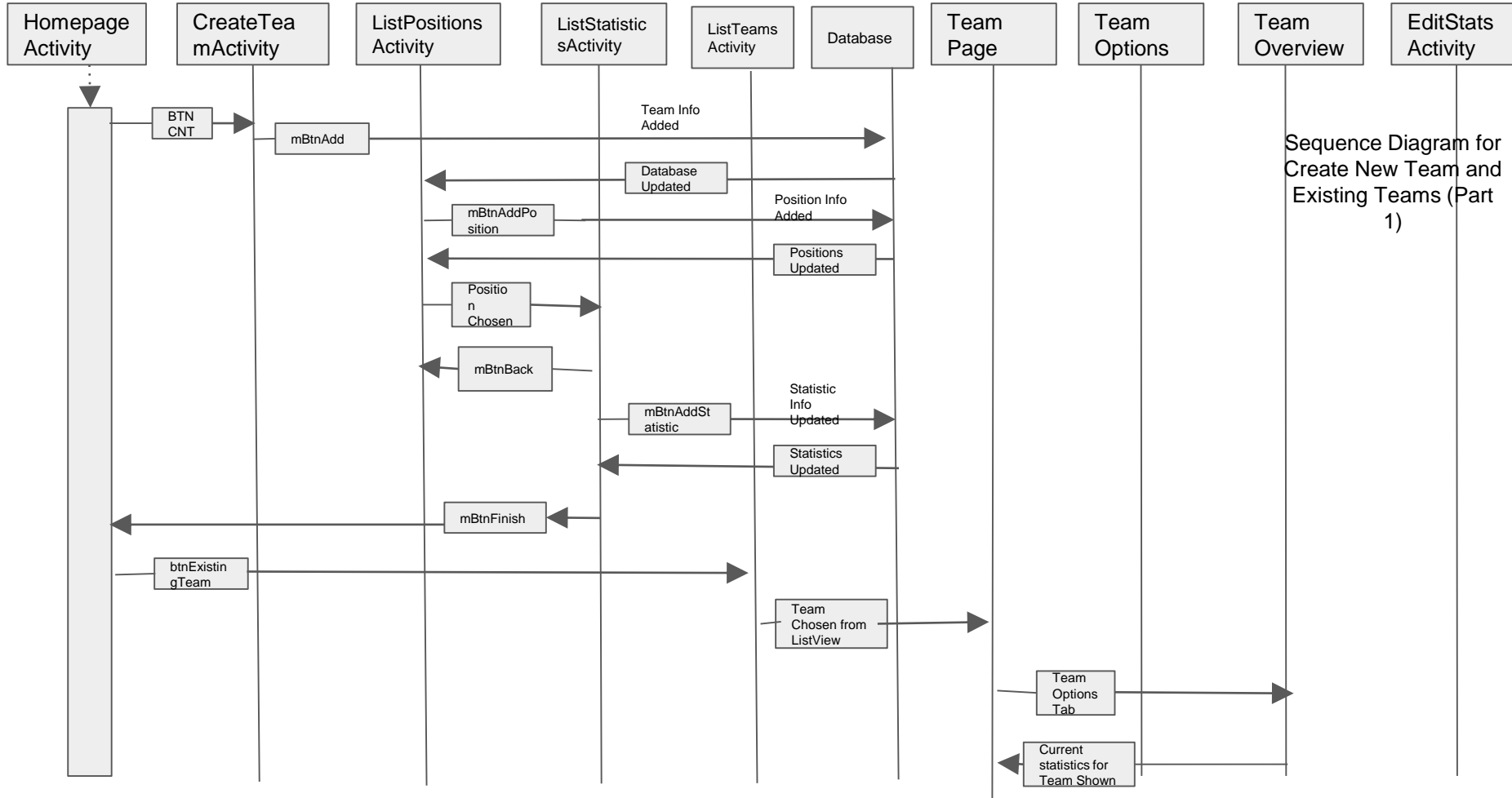


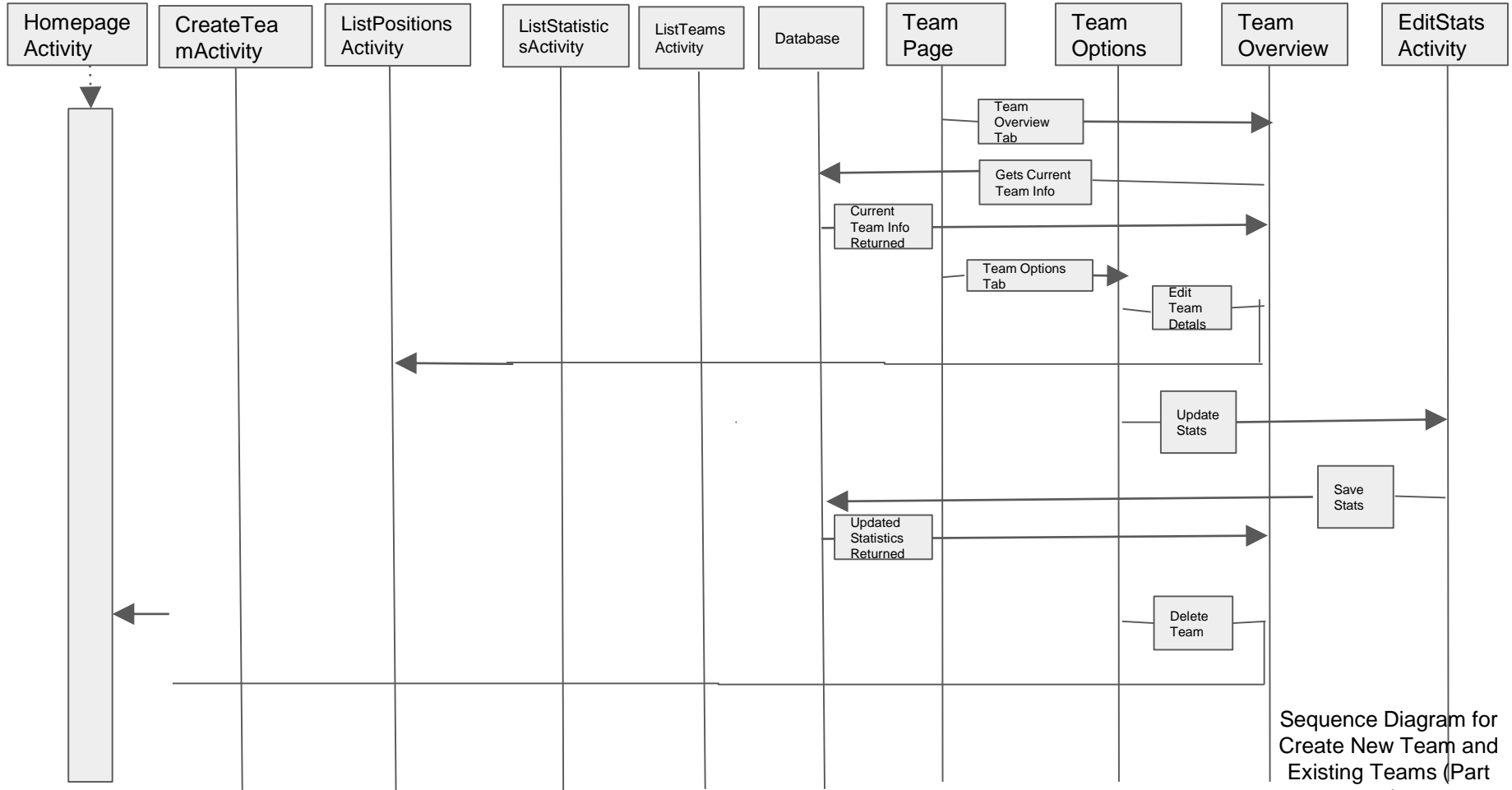


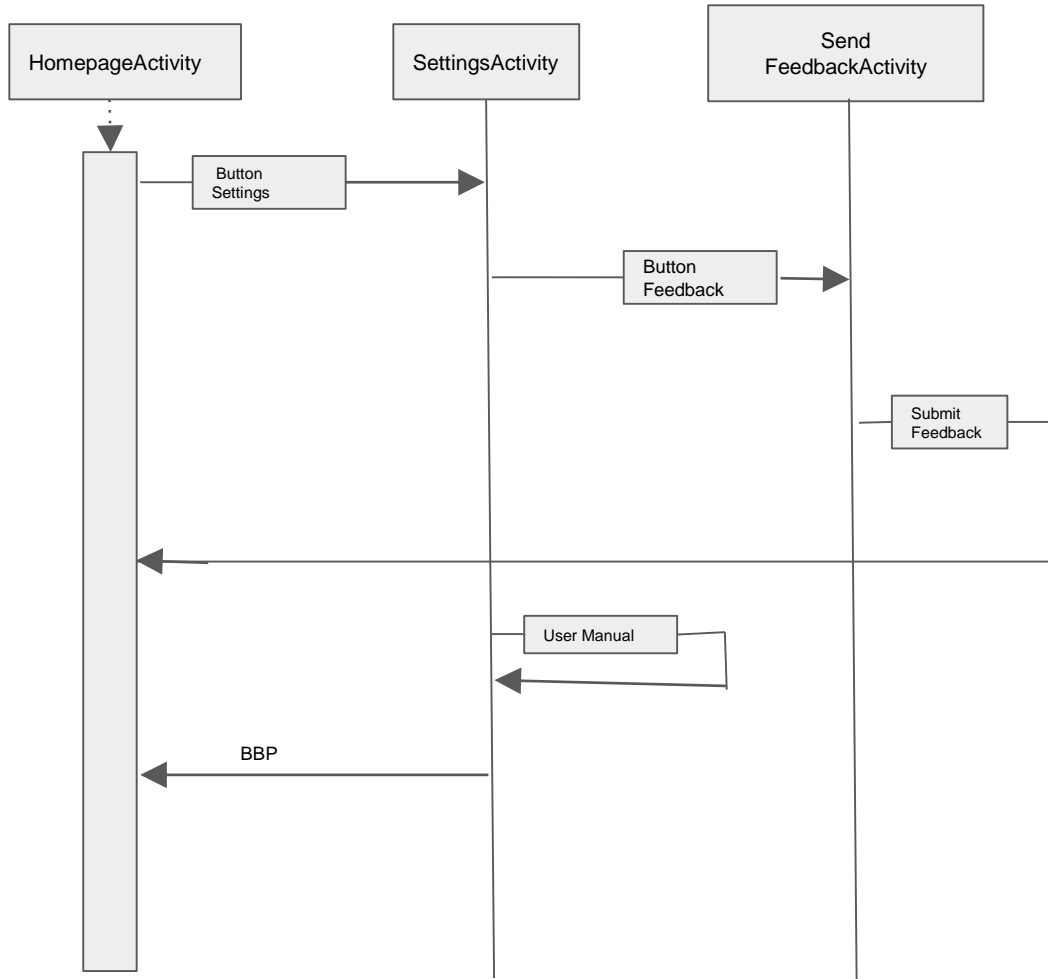
Sequence Diagram Notes

- Spans the next three pages
- Broken up between Homepage -> CreateTeamActivity, Homepage -> ListTeamsActivity, and Homepage -> SettingsActivity

Sequence





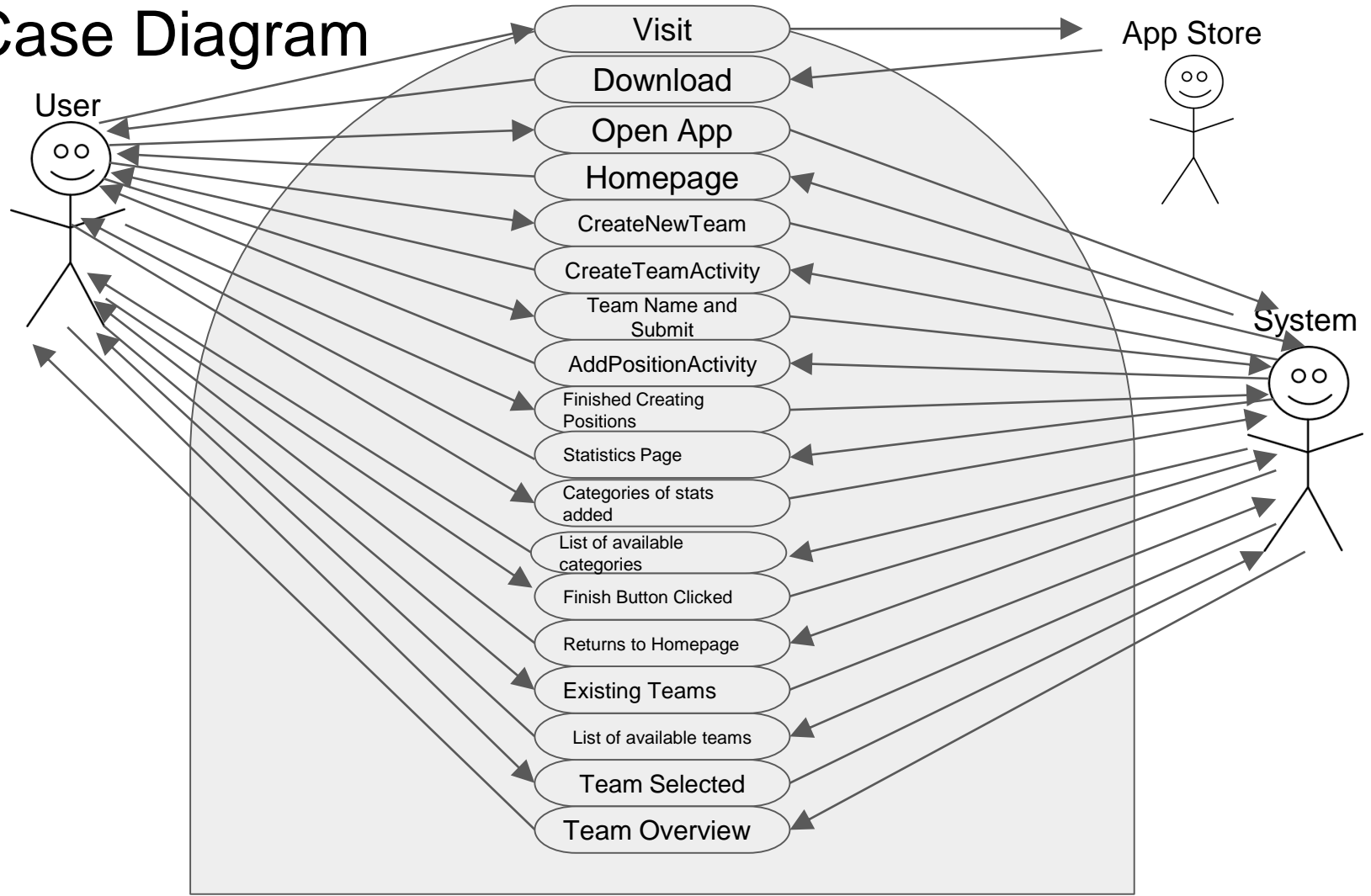


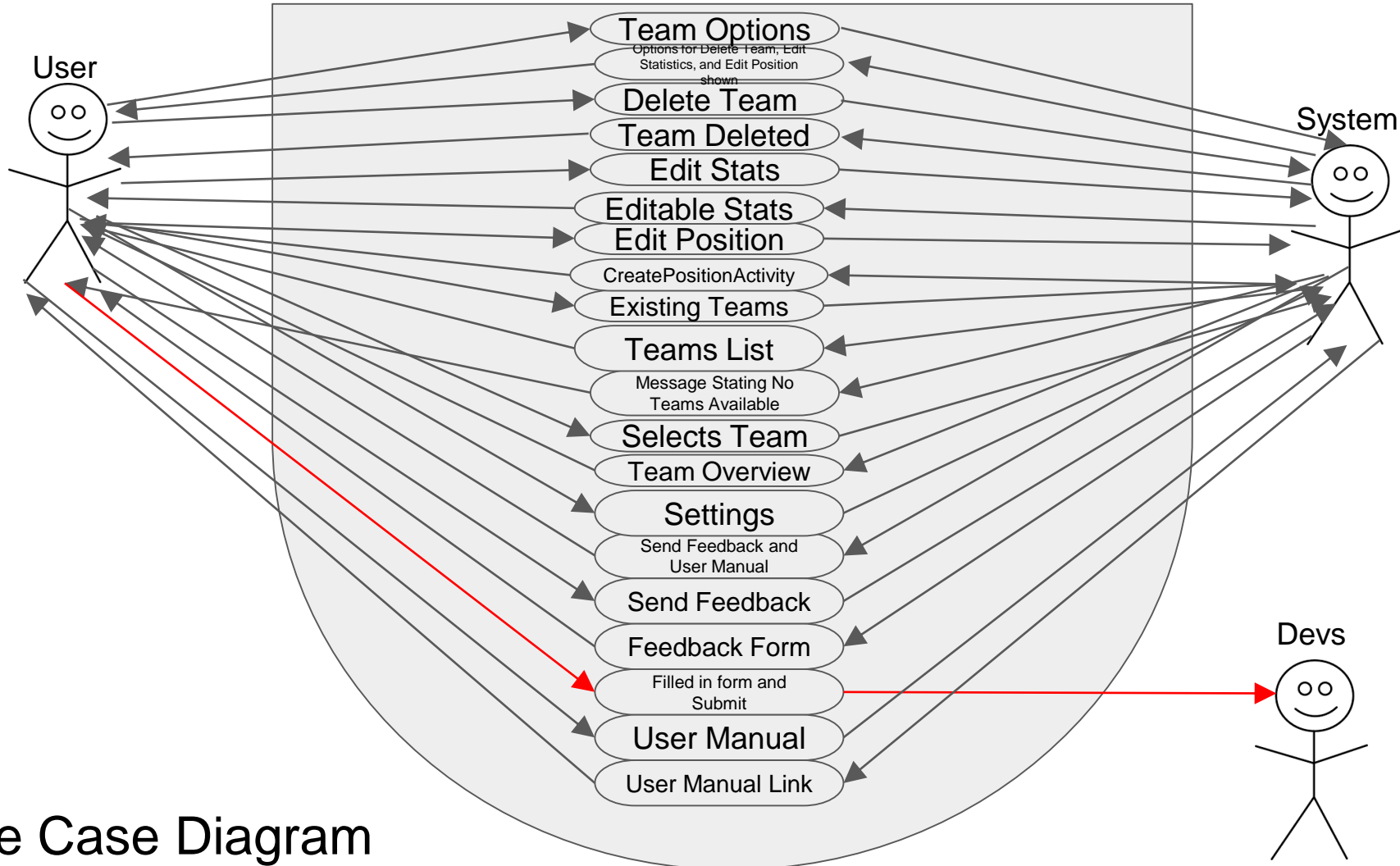
Sequence Diagram for
Settings

Use Case Diagram Notes

- Spans the next two pages
- Four users: User, App Store, System, and Devs. These are represented by stick people.
- The tabs on the TeamPage are Team Overview and Team Options, both will be accounted for in this diagram, we just couldn't fit all those words in one oval.
- Red arrow denotes that the feedback form is sent to the Developers. Wanted to make sure you could follow that arrow.

Use Case Diagram





Use Case Diagram