

### **TC1.2 Alphabet and Requirements**

TC	Team Captain
UI	User Interface
RS	Roster System
DBMS	Database Management System
HDD	Hard Drive
→	Input
←	Output

Alphabet in sequential order:

<b><u>Alphabet</u></b>	<b><u>Flow of Information</u></b>	<b><u>Description of Flow</u></b>
TC_StartApplication	→	TC to HDD
RSLoaded	←	HDD to TC
Connect_To_Server	→	TC to UI
Failed_Connect	→	UI to RS
Return_Error	←	UI to TC
Return_Options	←	DBMS to RS to UI
Click_Reinstall	←	UI to TC
Start_Reinstall	→	TC to UI
Reinstall	→	UI to RS
Click_Uninstall	←	DBMS to RS to UI
Start_Uninstall	←	UI to TC
Application_Closed	←	UI to TC
Click_Cancel	→	TC to UI
Exit_Application	→	UI to RS

## **Requirements for TC1.2**

1.2 TC decides to Launch Application

1.2.1 UI checks HDD for install

1.2.1a If ApplicationInstallSuccess == true

Then RSLoaded

i. While ApplicationInstallSuccess == true && RSLoaded == true

Connect\_To\_Server

1. If Connect\_To\_Server == true

Then GoToTC2.1

2. If Connect\_To\_Server == false

DBMS Returns Failed\_Connect

RS Returns Failed\_Connect && Return Options

2.1 If Click\_Try\_Again == true

Then Send Connect\_To\_Server

2.2 If Click\_Cancel == true

Exit\_Application

1.2.1b If ApplicationInstallSuccess == False

Then Return\_Error && Return\_Option (IfReinstall, IfUninstall, IfCancel)

i. If Click\_Reinstall == true

Then Reinstall

ii. If Click\_Uninstall == true

Then Uninstall

iii. If Click\_Cancel == true

Then Application\_Close

