Testing Plan

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Please access our project at

<https://github.com/AgentEnder/ClubUtils>

The testing for ClubUtils will be white box. The reason for this is the code base is fairly small and easily covered by three people. Further, white box testing allows for a very thorough examination of the code. Time is also a factor, and white box testing allows for more easy analysis of the code once a bug is found.

ClubUtils uses a Top Down approach. The units will be integrated early, before they are complete, requiring that we regressively test the program as each unit is added to the main interface.

The testing objectives for each module are as follows.

Attendance Tracker: correctly access attendance information from database; correctly update attendance information; correctly update database with attendance information

Calendar: correctly display calendar; correctly access events from database; correctly display days with events; correctly allow events to be added; correctly update database with events

Bulletin: correctly access announcements from database; correctly allow announcements to be created; correctly allow database to be updated with announcements; correctly display announcements

Financial Tracker: needs to correctly draw financial information from database; needs to correctly compute new financial information; needs to correctly update database with new financial information

Login Menu: correctly allow users to be created; correctly add users to database; correctly access users from database; correctly allow access to the club’s main menu once signed on

Main Menu: correctly show the club’s bulletin and calendar; correctly grant access to features depending on users’ access level; correctly allow users to sign out

Mass Emailer: Needs to correctly access club users’ emails from database; needs to correctly read user’s message; needs to correctly send message to all club users’ emails.

Membership Tracker: Correctly access member information from database; correctly display member information; correctly remove members access from the club.