The eTAT tool for teamwork assessment.

Data collected from this anonymous survey will be used towards completion of an independent research paper at the Computer Science department at San Francisco State University. The information gathered will be used for research on developing the Electronic Teamwork Assessment Tool. In this survey, you will be asked to fill in the demographic information.

There are no risks or benefits to you in participating in this survey. Participation in the survey is optional. You may choose to participate or not, and may answer only the questions you feel comfortable answering. You may stop answering questions at any time. If you do not wish to participate, you may simply not fill out the online survey, with no penalty to yourself. If you do participate, completion and return of the survey indicates your consent to the above conditions.

Please do not put your name on the survey. The survey should take approximately 20 minutes to complete. Any questions or concerns should be directed to the principal investigator, Srijita Shrestha at srijitas@sfsu.edu or Prof. Dragutin Petkovic; at dpetkovic@cs.sfsu.edu.

Introduction

This survey aims to analyze the usability of the Electronic Teamwork Assessment Tool (eTAT) developed at the Computer Science department at San Francisco State University; the eTAT is a web based application tool proposed by the professors from San Francisco State University and University of Applied Science, Fulda University, Germany based on the jointly carried out assessment and comparison of local and global software engineering (SE) practices on SE classes taught in both universities since last three years. This proposed tool plans to provide assessment and measures of student teamwork with the help of the data obtained from various sources such as hosting platforms and surveys, process this data and display the obtained data in an organized, meaningful and friendly way. Moreover, the instructors can add annotations, view and share their annotations.

eTAT is primarily a assessment tool that collects the various activities from different platforms
like hosting platform, surveys etc and specifically measures teamwork activities and presents the information via charts and statistics that mainly focuses on:

- Assessment and monitoring of the teamwork
- Assessment and measures of team communication
- Teamwork activities/success/effectiveness

The measurements that eTAT shall carry out are:

- Automated measurement of the usage of the collaborative activities
- Surveys
- Instructor Annotations

Typical user of e-TAT tool is the instructor of the teamwork course, which is being assessed, not the students.

The way e-TAT is planned to be used is as follows:

- Instructor groups students into teams and enters the team info in e-TAT
- Instructor assigns a team project to each student team (usually the same)
- Students develop the team project by using collaborative tools for communication and SW development (not e-TAT). These tools are standard professional tools like Google code etc. e-TAT tool obtains usage info from these tools.
- Professor/instructor also administers survey questionnaires (e.g. weekly) for self-assessment and annotates/logs any observation of team performance (both of those services will be integrated in e-TAT)
- Professor/instructor, using e-TAT, can then assess and summarize teamwork activities of each student team and each student and obtains various statistics.
In terms of results to be published, they would only be aggregated assessment statistics obtained by e-TAT referring to groups and class as a whole, and not any individual.

You will play the role of end user (e.g. instructor) of the eTAT tool who is interested in monitoring and assessing the teamwork of his student groups.

Please follow the given steps and fill out the questionnaire at the end; feel free to enter your comments in the space provided. Thank you for your participation!

**RESEARCH QUESTIONNAIRE**

**Demographic Information**

1. Enter Email Address: ____________________________
2. What is your Gender?
   ___ Male
   ___ Female

3. What is your Ethnicity/Cultural Heritage?
   ___ African Heritage
   ___ Asian Heritage
   ___ European Heritage
   ___ Mexican/Central/South American Heritage
   ___ Middle Eastern/Central Asian/Indian Heritage
   ___ Pacific Islander Heritage
   ___ Other

4. What is your Education Level?
___ Did not graduate from high school
___ High school graduate
___ Associate Degree
___ Bachelor’s Degree
___ Master’s Degree
___ P.h.D.

4. What are you majoring in?

________________________________

Open your browser.

**TASK 1: Log in to eTAT** ([http://groups.google.com/group/etat](http://groups.google.com/group/etat)) by entering username and password (test/test1).

1) It is simple and easy to find a login place.

___ Strongly agree ___ Agree ___ Neutral ___ Disagree ___ Strongly disagree

2) It is simple and easy to log in the eTAT application.

___ Strongly agree ___ Agree ___ Neutral ___ Disagree ___ Strongly disagree

3) The site gives the proper direction and information to login the eTAT system.

___ Strongly agree ___ Agree ___ Neutral ___ Disagree ___ Strongly disagree

Comments regarding sign in the system.

_____________________________________________________________________________
_____________________________________________________________________________

Task 2: Log in the eTAT and Create a new project.

4) The process of adding new project in eTAT is intuitive.
5) The use of the create project feature is properly informed on the result of the operation.

6) The project suite is stored in the proper location.

7) The “create project” button is placed such that it is easily viewable.

Comments on creating a new project:
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________

Task 3: Log in the eTAT system and generate the report of discussion forums, mailing lists, charting by choosing the necessary information in the form.

8) The eTAT application provides participation metrics, in a well structured and pleasant looking graphical user interface.

9) The reports are generated with eTAT application in a well structured manner.

10) The reports have all the information in proper location and are presented well.

11) The reports of various activities like discussion forums, mailing lists, annotations can be viewed easily.

Comments on generating report:
Task 4: Login the eTAT system and write and then view the annotations.

12) The instructors can write and maintain the logs of their annotation conveniently.

__Strongly agree__  __Agree__  __Neutral__  __Disagree__  __Strongly disagree__

13) The instructor’s annotations are presented pleasantly in proper location.

__Strongly agree__  __Agree__  __Neutral__  __Disagree__  __Strongly disagree__

Comments on instructor’s annotations:

_____________________________________________________________________________
_____________________________________________________________________________
_____________________________________________________________________________

Task 5: Create your own survey by entering some questionnaires and view the survey.

14) The survey can be created easily and has all necessary information essential for feedback.

__Strongly agree__  __Agree__  __Neutral__  __Disagree__  __Strongly disagree__

15) The survey tool is easy-to-use; you could easily understand the meaning of the buttons and icons.

__Strongly agree__  __Agree__  __Neutral__  __Disagree__  __Strongly disagree__

16) Creating/ editing projects and measuring the teamwork using eTAT tool were a pleasant experience and not a cumbersome task.

__Strongly agree__  __Agree__  __Neutral__  __Disagree__  __Strongly disagree__

17) If given a chance to use the eTAT tool, it would assist you in your academic and research work.
19) On a scale of 1 to 10 (1 being lowest), how would you rate usability of eTAT system?