**timeApplicator Test Evaluation Plan**

**What to test:** - web application “timeApplicator” that creates schedule drafts based on the provided

employees’ day offs and availability;

- the application interactions with a user;

- sequence of steps incorporated in “timeApplicator”;

- visual effectiveness of the “timeApplicator” elements layout.

**The main test goal** is to find out if the “timeApplicator” helps users to reduce the process of preparing a schedule draft from several hours to less than half an hour.

*Justification: this is the main goal of the prototype, so it’s going to be the main goal of testing.*

**Additional test goals** are to find out: - how visually effective the steps of preparing a schedule draft

introduced in the application are;

- how logical the steps of preparing a schedule draft introduced

in the application are;

- if an application can be effective enough to process a

schedule draft since this is more a creative process than a

straight forward task;

- if the process of creating a schedule draft first and a final

schedule based on that draft second can be effective,

productive, and less time consuming;

- how effective the time representation technique introduced in

the application is;

- if the application screens/tabs are too cluttered or

complicated;

- if the components are laid out effectively;

- if the application navigation feels comfortable, intuitive, and

simple;

- how fast a user can understand how the application works;

- if users would like to use this kind of application;

- what kind of tool users would like to see/use as a schedule

preparation assistant.

*Justification: the application is supposed to help users to prepare a schedule draft easily, but not to confuse and make them even busier. Consequently we need to test how effective the procedure, layout, and time representation are, how logical the steps are, how cluttered/uncluttered the application tabs are.*

**Participants**

I’m going to invite 5 people to test the application.

Since the main user group of “timeApplicator” consists of coffee shop managers, I’ll ask three (3) of them to participate in the testing. The rest two (2) people are going to be my colleagues who are interested in HCI area. This way, I guess, I’ll be able to test the UX and professional/practical side of the application.

I’ll ping/text three managers I know and politely invite/ask them to participate in the testing. Also, I’ll ask my colleagues who wants to volunteer for the testing and select two of them if there will be more people willing to do that. I’ll provide a consent form for everyone.

**Time:** the testing will be done from Nov 11 to Nov 17 for coffee shop managers depending on their

availability and on Nov 16, Friday, for my colleagues approximately at lunch time (12:30pm).

**Place:** I’ll bring my laptop to the coffee shops where my friends-managers work and do the testing

there (also, they can use their desktops if des4ired); while I’ll use desktops at my work place for

my colleagues testing.

**Process:** first, I’ll show testers the application and ask them to describe how they understand what

this app does and what its main purpose by looking only at the main page. This, I guess,

will show how simple, intuitive, and self-describing the application appears to be. Second,

I’ll ask testers to perform a schedule creation procedure (see the explanation below). Third,

I’ll interview the testers and write down their answers. Fourth, I’ll show the redesign

component of the application and ask testers to play with that for several minutes. After, I’ll

ask several questions regarding their experience.

**Timing:** each testing procedure is planned to take approximately 15 minutes: 4 minutes for each of

the three question phrases and 3 minutes for tasks: talking about the application first,

performing a task second, and answering questions third.

**Tasks**

First, I’ll show a tester the first page/tab of the application and ask him/her to describe what the application does, what its main purpose is, if the application looks attractive and engaging, if the first page/tab looks simple or complicated and cluttered. This will help to test the effectiveness and clarity of the application when a user looks at it for the first time.

Second, I’ll explain the tester how the application works and ask him/her to create a schedule draft. Unfortunately, I could not finish all the logic and interactions of the application, so when the tester hits the spot which is not yet implemented, I’ll provide explanation how it’s supposed to work and what kind of interactions are going to be there. Consequently, I’ll fake the parts of the application which are not functional yet. The process of creating a schedule consists of selecting an employee, selecting that employee day off requests and availability, and pressing the button to make a schedule draft. Then, I’ll ask the tester to download the created draft to a local machine (my laptop or a desktop at my work place depending where the testing is going to be). Also, I’ll ask the tester to proceed with the same task again, but this time to undo several selected day offs for the selected employee. Then, the tester will be asked to discard all selections that were made. Finally, I’ll ask the tester to browse through previously created schedule drafts. This sequence of steps will test how effective, intuitive, cluttered, and simple the application navigation, steps, and components’ layout are.

Third, I’ll ask the tester several questions regarding the interactions with the interface and how it feels to work with the application.

Fourth, I’ll show the tester the redesign part of the application prototype and let him/her to play with that for several minutes. Then, I’ll ask questions regarding the interactions with the redesign part and how it feels to work with that in comparison with the original part.

*Justification: this will test, according to a certain degree, how effective, logical, and self-descriptive the interface is.*

**Measures**

I’ll write down the answers for the first, third, and fourth parts of the testing and analyze them later. Also, I’ll prepare the scale from 1 to 5 for several questions and ask a tester to chose the degree that relates to a particular question. For example, 1 will stay for the “so-so” and 5 for the “attractive” for the question related to how attractive the application first screen/tab looks.

I’ll record how fast a tester completes each task for the second part of the testing.

*Justification: since the main purpose of the application is to help users reduce the time preparing a schedule draft from several hours to less than half an hour, time required to finish each task is really important and informative measure.*

Also, I’ll record all the errors that will/might occur during the testing.

The testing might be considered successful if the tester could finish all the tasks and navigate easily in the application.

**Informed Consent Form**

**Study title:** timeApplicator UX test

**Description:** You are invited to participate in a research study on the user experience of the web

application “timeApplicator”. You will be asked to carry several test scenarios, during

which photographs might be taken. These photographs might be used for the BCIT

“COMP 8521: Selected Topics in Advanced Interface Design” course final project, but

your face and any identifying material will be blurred to protect your privacy.

**Time involvement:** Your participation will take approximately 15 minutes.

**Risks and Benefits:** The risks associated with this study are none. The benefits which may

reasonably be expected to result from this study are none. We cannot and do

not guarantee or promise that you will receive any benefits from this study.

**Payments:** You will receive no payment for your participation.

**Subject Rights:** If you have read this form and have decided to participate in the study, please

understand, your participation is voluntary and you have the right to withdraw your

consent to discontinue participation at any time. The alternative is not to participate.

You have the right to refuse to answer particular questions. Your individual privacy

will be maintained in all published and written data resulting from the study.

**Contact Details:** If you have any questions, concerns or complaints about this research, its

procedures, risks and benefits, please contact:

….............................................................................................

To change your appointment, please contact:

….............................................................................................

I give consent to be photographed during this study:

Please initial: \_\_\_ Yes \_\_\_ No

The extra copy of this form is for you to keep.

SIGNATURE: ….............................................................................................

DATE: ….............................................................................................