FET-P USER MANUAL

Installation Requirements

The software is made to be installed on Windows 7 x86 machines and also will require .NET v4.5.2 to be be on the system.

Authenticate User

Upon starting the application, the user will be prompted to enter his or her Windows username and password. After entering the credentials, the user will be authenticated and will be allowed to open an encrypted schedule. The reason the user will be prompted for his or her Windows username and password is so that an unauthorized person logged in under the user's account will not be able to access the application without the original user's credentials.

* To login at una the domain has to be "main.local.una.edu". Then you are allowed to use your UNA name and password to authenticate.

* If logging in using a personal computer not attached to a network, simply leave the domain blank and continue with your windows username and password.

New Schedule

Upon clicking on new schedule the user will prompted to provide two sets of input, referred to as the Schedule Constraints and the Enrollment Data.

The Schedule Constraints consist of five numerical inputs representing the following:

1. Number of days in the schedule (1 - 7 days)
2. Start time for the first exam of each day (24-hour time with no punctuation, no earlier than 0700)
3. Length (in minutes) of each Exam Time Block (90 - 120 minutes)
4. Length (in minutes) of the break span between each Exam Time Block (10 - 30 minutes)
5. Length (in minutes) of the lunch break (0 - 60 minutes)

The Schedule Constraints may be provided as manual input into the text boxes or alternatively, the Schedule Constraints may be provided in the form of a text (.txt) file, for which the user may browse their file system. If The Schedule Constraints are input as a file, the text boxes for each field will automatically be filled with the data contained in the selected Schedule Constraints file. Auto-filled text boxes will remain editable.

The Enrollment Data must be provided in the form of a Comma Separated Values (.csv) file, for which the user may browse their file system or paste a file path into the provided text box.

Open a Schedule

This feature will allow the user to open a schedule stored in an encrypted XML file that was previously generated by this program. To load in an encrypted XML schedule file, a user must first be authenticated. Then you navigate File -> Open a Schedule. Once loaded into the program, the schedule will be able to be modified, and then saved back into the original XML file or saved into a new XML file.

Open Constraints

This feature will allow the user to open a schedule that was previously generated by this program. To load in an encrypted XML schedule file, a user must first be authenticated. Then you navigate File -> Open Constraints. This will fill the text boxes on the data collection form with the constraints and file paths used in the selected file. From here the user can generate a schedule.

Export a Schedule

Once you are content with your schedule, navigate file -> export -> as text to prompt the user to save the current schedule as .txt format. Likewise, export -> as PDF will prompt the user to save the current schedule as .pdf format.

*When saving a PDF you cannot overwrite an existing PDF file.

Save a Schedule

Navigating from file -> save will prompt the user to save the generated schedule into an encrypted XML file that can be opened for later manipulation by an authenticated user. If the user is editing a schedule that has been opened from an XML file and the user selects “Save”, then the existing XML file will be replaced with a new one with the new changes. If a user selects “Save” and is not editing a schedule opened from an XML file, then the user will be prompted with a file browser to name and select a location for the new XML file. If a user selects “Save As” and is editing an already existing XML file or is

editing a schedule that has not been saved, then the user will be prompted with a file browser to name and select a location for the new XML file to be saved to.

View Popular Classes

After generation of a schedule, this application will generate a list of the coalesced classes enrollment, sorted based on popularity. The data will be viewable in a side-panel which will allow the user to scroll through the classes.