

## ICS4U7-3B Internal Assessment Criteria A

1. Description of Problem & Scenario

Private music teachers have long aided students in reaching their potential in musical education and careers. However, keeping track of all their pupils and lessons can become overwhelming and stressful, especially on top of personal musical occupations teachers may have (such as participating in orchestral and chamber music). In addition to schedules and the regularity of lesson payments, teachers may struggle to remember each student's individual progress and repertoire. Thus, these instructors face the problem of being expected to retain hectic overloads of information.

The client and advisor of this product will be my private violin teacher. Since my product will be aimed towards private music teachers in general, my teacher will have experience and knowledge about the product's purpose. This will enable him to effectively evaluate the success of my work, as well as provide me feedback on its functionality and usefulness.

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2. Proposed Solution

To solve the issues arising from such busy careers, a program that acts as an organizer may be the solution. With a calendar function, features can allow the creation and saving of events and lessons to help keep track of teachers' schedules. A storage function for payment records or refunded lessons would also be useful, serving as a financial manager, and an inventory of student's names, contact information, educational progress, and extra notes would provide teachers with easier access to essential information needed to help students learn. Another general notepad place would also help them keep their music-related drafts in one place,

rather than having to open a separate word processor. Overall, such a program would facilitate the organization of music teachers' jobs.

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### 3. Functionality/Success Criteria

#### **Password Protection:**

- Can be used for multiple users & ability to load/save user information
- Pop-up menu prompts user for sign-in before accessing information
  - Verifies username & password

#### **Calendar:**

- Should accurately display a calendar year
- Should allow user input associated with any date
  - Ex: student lessons, special events like recitals, etc.
- Input can be selected as repeating or not (looped) — daily or weekly

#### **Student Lists:**

- Sorted alphabetically by first name or last name
- Can add a new student and contact information
- Can select and delete students

#### **Student Records:**

- User input (can be updated/deleted) & displays information
- Multiple text fields for names, repertoire, lesson dates, notes, etc.
- Can sort alphabetically by first name or last name
- Can search for a student's name

**Financial Records:**

- Calculator function can perform simple math (through clicks of buttons from user)
- Editable user input stores data about monetary payments and refunds
- Sorted alphabetically by first name
- Can search for a student's name

**Notepad:**

- Blank page w/ editable text area for user to just take notes
  - Ex: for memos during lessons or transactions

**Instructions/Help Windows:**

- Give basic information about the operation of the program