Module 3: Schedule Form Development

1. **Create "09 Manage Class Form"**

   Create the main menu of the application as outlined in "**09 Manage Class Form**" in the wireframe.

   - Ensure the form display all Students who have not got schedule yet.

   - Ensure the form display all participate Students in selected class.

   - Success add Student to selected class

   - Ensure user can take out a student from selected class

   - Save data to database

2. **Create "10 Manage Schedule Form"**

   Create the main menu of the application as outlined in "**10 Manage Schedule Form**" in the wireframe.

   - Ensure the form can **display** correct **Schedule** on datagridview according selected **class name** and **day**

   - Ensure the form can display subject id and name in combobox with correct format (SubjectId-SubjectName)

   - Display list of subject id and name in combobox according selected class ID (if user choose class XA, just display subjects for grade 1)

   - Display teacher id and name in combobox with correct format (TeacherId-Name)

   - Ensure only **available teachers** are **displayed** in Combobox according teacher **expertise** and **schedule**

- If button view subject needed is clicked, display subject needed in datagridview according to selected class name. (**SubjectId** – **SubjectName** – **Shift Needed** – **Shift Left**)

- Subject, Shift and Teacher display correct data according to selected datagridview

- If button insert or update is clicked, the program will enable **Subject**, **Shift** and **Teacher. Save** and **Cancel** button will be visible. **Insert**, **update** and **delete** button will be invisible

- Ensure in 1 class, the schedule cannot collide each other

- Ensure 1 **SubjectID** in 1 **Class**, just have 1 **TeacherID**

- If button cancel or save is clicked, the program will disable **Subject**, **Shift** and **Teacher. Save** and **Cancel** button will be invisible. **Insert**, **update** and **delete** button will be visible

- If button **save** is clicked, save all data to the database.

- If button **delete** is clicked, **ask confirmation** to user "Are you sure?" with option **yes** or **no**. If user choose **yes**, the program will delete the selected data.

- the schedule that already finalized, cannot be changed (disabled every button)

3. **Create "11 Finalize Schedule Form"**

Create the main menu of the application as outlined in "**11 Finalize Schedule Form**" in the wireframe.

- display all data schedule according selected class (SubjectID, Subject Name, Teacher ID, Teacher Name, Day, Shift)

- Ensure selected class have every subject needed according its class

- Ensure every subject have total shift as required on table subject.

- success Finalize data or display detail error if any, example: shift in Monday is less than 10, not Enough Shift for Agama Subject

- the schedule that already finalized, cannot be changed (disabled every button)