```
Algorithm:
    Initialize Database:
 4
     1. Connect to the SQLite database or create a new one.
 5
    2. Create tables (students and lessons) if they don't exist.
 6
 7
    Define Database Operations:
8
9
    .`add student(): Add a new student and associated lessons.
10
    .`delete student(): Delete a student and related lessons.
    .`update student(): Update information for an existing student and related lessons.
11
12
    .`view student(): View information for a specific student and associated lessons.
13
14
    Define Flask Routes:
15
    `/`: Display the main page with forms for adding, deleting, updating, and viewing
16
     students.
17
    .`/add_student: Handle the form submission for adding a student.
18
    .`/delete student: Handle the form submission for deleting a student.
19
    . \'update student: Handle the form submission for updating a student.
20
    .`/view student: Handle the form submission for viewing a student.
21
22
    Handle Form Submissions:
23
24
     1.Extract data from the submitted forms.
25
    2.Call the appropriate database operation based on the form action.
26
27
    Display Results:
28
29
    Render the main page with appropriate messages based on the success or failure of
    database operations.
30
31
32
33
34
35
36
```

68	Flowchart:
69 70	+
71	Start
72	
73 74	
75	v
76 77	+
78	Hain rage
79	+
80 81	V V
82	+
83 84	Add Student Form
85	+
86	I
87 88	V +
89	Database Operation:
90 91	Add Student
92	i i
93	V
94 95	Display Main Page
96	with Message
97 98	+
99	v
100	Repeat for other forms
102	(Delete, Update, View)
103 104	+
105	V
106	+
107 108	End 
109	+
110 111	
112	
113 114	
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```
137
     Pseudocode:
138
139
    # Function create-database
140 function create_database():
141
         connect to SQLite database
142
         create students table if not exists
143
         create lessons table if not exists
144
145
    # Function to add a student
146 function add student(student data):
147
         connect to SOLite database
         execute SQL query to insert student data into students table
148
149
         for each lesson in student data.lessons:
150
              execute SQL query to insert (student number, lesson) into lessons table
151
152
     # Function to delete a student
    function delete student(student number):
153
154
          connect to SQLite database
155
         execute SQL query to delete student from students table where student number =
         student number
156
         execute SQL query to delete related lessons from lessons table where student number
          = student number
157
158
     # Function to update a student
     function update student(student data):
159
160
          connect to SQLite database
          execute SQL query to update student data in students table where student number =
161
          student data.student number
162
          execute SQL query to update related lessons in lessons table where student number =
         student data.student number
163
164
     # Function to view a student
165
     function view student (student number):
166
         connect to SQLite database
167
         execute SQL query to fetch student info from students table where student number =
          student number
168
         execute SQL query to fetch lessons from lessons table where student number =
          student number
169
         display student info and lessons
```

170