mockData.ts

```ts
 1   import { User, Student, Course, Marks, FeeRecord } from '../types';
 2
 3   // Sample users for testing
 4   export const SAMPLE_USERS: User[] = [
 5     { id: '1', email: 'admin@cmis.edu', role: 'admin', name: 'Admin User' },
 6     { id: '2', email: 'faculty1@cmis.edu', role: 'faculty', name: 'Dr. Sarah Johnson' },
 7     { id: '3', email: 'student1@cmis.edu', role: 'student', name: 'John Smith' },
 8     { id: '4', email: 'parent1@cmis.edu', role: 'parent', name: 'Robert Smith' },
 9   ];
10
11   // Sample credentials
12   export const SAMPLE_CREDENTIALS = {
13     'admin@cmis.edu': 'Admin@123',
14     'faculty1@cmis.edu': 'Faculty@1',
15     'student1@cmis.edu': 'Student@1',
16     'parent1@cmis.edu': 'Parent@1',
17   };
18
19   // Sample students
20   export const SAMPLE_STUDENTS: Student[] = [
21     {
22       id: '1',
23       name: 'John Smith',
24       email: 'student1@cmis.edu',
25       department: 'Computer Science',
26       semester: 6,
27       rollNumber: 'CS2021001'
28     },
29     {
30       id: '2',
31       name: 'Emily Davis',
32       email: 'emily.davis@cmis.edu',
33       department: 'Computer Science',
34       semester: 4,
35       rollNumber: 'CS2022002'
36     },
37     {
38       id: '3',
39       name: 'Michael Brown',
40       email: 'michael.brown@cmis.edu',
41       department: 'Electronics',
42       semester: 6,
43       rollNumber: 'EC2021003'
44     },
45   ];
46
47   // Sample courses
48   export const SAMPLE_COURSES: Course[] = [
49     {
50       id: '1',
51       code: 'CS301',
```

```ts
 52       name: 'Data Structures and Algorithms',
 53       credits: 4,
 54       semester: 3,
 55       department: 'Computer Science',
 56       faculty: 'Dr. Sarah Johnson'
 57     },
 58     {
 59       id: '2',
 60       code: 'CS401',
 61       name: 'Database Management Systems',
 62       credits: 3,
 63       semester: 4,
 64       department: 'Computer Science',
 65       faculty: 'Dr. Michael Wilson'
 66     },
 67     {
 68       id: '3',
 69       code: 'CS501',
 70       name: 'Machine Learning',
 71       credits: 4,
 72       semester: 5,
 73       department: 'Computer Science',
 74       faculty: 'Dr. Sarah Johnson'
 75     },
 76     {
 77       id: '4',
 78       code: 'EC301',
 79       name: 'Digital Electronics',
 80       credits: 3,
 81       semester: 3,
 82       department: 'Electronics',
 83       faculty: 'Dr. Anna Lee'
 84     },
 85   ];
 86
 87   // Sample marks
 88   export const SAMPLE_MARKS: Marks[] = [
 89     {
 90       id: '1',
 91       studentId: '1',
 92       studentName: 'John Smith',
 93       courseId: '1',
 94       courseName: 'Data Structures and Algorithms',
 95       internalMarks: 18,
 96       endExamMarks: 72,
 97       totalMarks: 90,
 98       grade: 'A'
 99     },
100     {
101       id: '2',
102       studentId: '1',
103       studentName: 'John Smith',
104       courseId: '2',
105       courseName: 'Database Management Systems',
```

```ts
106        internalMarks: 16,
107        endExamMarks: 68,
108        totalMarks: 84,
109        grade: 'A'
110      },
111      {
112        id: '3',
113        studentId: '2',
114        studentName: 'Emily Davis',
115        courseId: '1',
116        courseName: 'Data Structures and Algorithms',
117        internalMarks: 19,
118        endExamMarks: 76,
119        totalMarks: 95,
120        grade: 'A+'
121      },
122    ];
123
124    // Sample fee records
125    export const SAMPLE_FEES: FeeRecord[] = [
126      {
127        id: '1',
128        studentId: '1',
129        studentName: 'John Smith',
130        semester: 6,
131        totalAmount: 50000,
132        paidAmount: 50000,
133        dueAmount: 0,
134        dueDate: '2024-06-30',
135        status: 'paid',
136        paymentHistory: [
137          {
138            id: '1',
139            amount: 25000,
140            date: '2024-01-15',
141            method: 'Bank Transfer',
142            transactionId: 'TXN001'
143          },
144          {
145            id: '2',
146            amount: 25000,
147            date: '2024-06-15',
148            method: 'Online Payment',
149            transactionId: 'TXN002'
150          }
151        ]
152      },
153      {
154        id: '2',
155        studentId: '2',
156        studentName: 'Emily Davis',
157        semester: 4,
158        totalAmount: 50000,
159        paidAmount: 30000,
```

```
160        dueAmount: 20000,
161        dueDate: '2024-12-31',
162        status: 'partial',
163        paymentHistory: [
164          {
165            id: '3',
166            amount: 30000,
167            date: '2024-01-20',
168            method: 'Cash',
169            transactionId: 'TXN003'
170          }
171        ]
172      },
173    ];
```