# PartyTape Class Test Cases

## Test Cases for the addSong() method

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Scenario** | **Object State** | | | **Input Parameters** | | **Calculations** | **Expected**  **Return value** | **New Object State** | | |
|  | tape length in seconds | seconds  used | Seconds  left | song length in minutes | song length in seconds | tape length | seconds used | seconds left |
| 1. No more room | 900 | 895 | 5 | 3 | 23 | 5 – (3\*60+23) = -198  -198 > 0 | false | 900 | 895 | 5 |
| 1. There's some room | 1500 | 764 | 736 | 4 | 46 | 736 – (4\*60+46) = 450  450 > 0 | true | 1500 | 1050 | 450 |
| 1. Errors in the data |  |  |  |  |  |  |  |  |  |  |

# PartyMusicFrame Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario** | **Input Parameters** | | **Message** | **Additional operations** |
|  | song length in minutes | File name |
| 1. Length field is empty |  | tape.txt | Please enter the length of tape |  |
| 2. File field is empty | 50 |  | File name is being set to "tape.txt" | fileName = "tape.txt";  file = new File(fileName); |
| 3. File name does not exist | 45 | jungle.txt | Your file name “jungle.txt” does not exist |  |
| 4. No .txt file extension | 40 | beatlesMusic |  | fileName = fileField.getText().trim() + ".txt";  file = new File(fileName); |