## Test Plan for Project 1 < Nathan West >

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| Method Tested | Test | Expected Outcome | Actual Outcome |
| testMedia Constructor | Create instance:  DigitalMedia tester = new DigitalMedia (“image1.jpg”, 97283); | Object created without error. | Object created without error. |
| setName1 | tester.setName(**null**); | NullPointerException | NullPointerException |
| setName2 | tester.setName(""); | NullPointerException | NullPointerException |
| setName3 | tester.setName("this.shouldfail.jpg"); | IllegalArgumentException | IllegalArgumentException |
| setName3 | tester.setName("badfilejpg"); | IllegalArgumentException | IllegalArgumentException |
| setName4 | tester.setName("image.jpg"); | image.jpg | image.jpg |
| setSize1 | tester.setSize(-432354); | IllegalArgumentException | IllegalArgumentException |
| setSize2 | tester.setSize(68372); | 68372 | 68372 |
| setDateModified1 | LocalDateTime newDate = LocalDateTime.*of*(2016, 12, 24, 8, 35);  tester.setDateModified(newDate); | IllegalArgumentException | IllegalArgumentException |
| setDateModified2 | newDate = LocalDateTime.*of*(2018, 2, 25, 11, 12, 57);  tester.setDateModified(newDate); | 2018-02-25T11:12:57 | 2017-02-25T11:08:35 |
| Testing for Symmetric | **boolean** symmetric = tester.equals(tester2) && tester2.equals(tester); | true | true |
| Testing for Transitive | **boolean** transitive = tester.equals(tester2) && tester2.equals(tester3) && tester.equals(tester3); | false | false |
| Testing for Consistency | **boolean** consistency = tester.equals(tester2) && tester.equals(tester2); | true | true |
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