# 1. Test Plan **[Carissa Bostian]**

## 1.1. Testing Team Organization and Resource Assignments

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| **Team Member** | **Roles and Responsibilities** |
| Luke Beisser | Test Analyst. Define and describe steps for each test requirement. |
| Carissa Bostian | Test Manager. Organize and create a testing schedule, assign team roles, define test cases. |
| Tyrone Bundy | Team Organizer. Update and define requirements and traceability matrix. |
| Alex Johnson | Software Tester. Describe the test case results with input and expected output. |

***1.2. Testing Schedule***  
*N/A*

***1.3. Test Cases***

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| **Test Case ID** | **Requirement Number** | **Test Goal** | **Test Method/Technique** |
| 1 | 1.1.1 | Pages Required:  · Login  · Forgot Password  · Index  · Assignments  · CRID Students / Faculty  · Profile  · Classes | Black box - Equivalence Partitioning |
| 2 | 1.2.2 | Login Page:  · Sends credentials to backend database for validation  · Authenticates user roles  · Form submission capabilities  · Smartphone capabilities | Black box - Equivalence Partitioning |
| 3 | 1.4.3 | Private Data will be encrypted | White Box –  Condition Testing |
| 4 | 1.2.3 | Index page must have a F4 function to search as well as query the database for the resulting information | Black box - Equivalence Partitioning |
| 5 | 1.2.4 | Assignments page must have F3 function to search for the file to be submitted | Black box - Equivalence Partitioning |
| 6 | 1.3.3 | Services:  · MySQL for the database  · ReactJS for frontend webpages  · NodeJS for backend programming  · Azure for cloud computing | White box – Condition Testing |
| 7 | 2.1.3 | The system must be able to support at least 550 user accounts | Black box - Equivalence Partitioning |