Behavioral Requirements

**Entity:** User

|  |  |  |  |
| --- | --- | --- | --- |
| **Given** | **When** | **Then** | **Priority** |
| Data of arbitrary size | I want it serialized | Data can be serialized into a series of QR Codes | High |
|  |  | A Page Number is generated |  |
|  |  | A checksum will be generated |  |
|  |  | Last 8 characters of data will be used as document identifier |  |
|  |  | **A Pdf is generated** |  |
|  | I want asymmetric encryption | Data is serialized and encrypted |  |
|  |  | Encryption key is generated |  |
|  |  | A checksum is generated separately for the data and the key |  |
|  |  | **A Pdf is generated** |  |
|  | I want sharded encryption | Data is serialized and encrypted |  |
|  |  | Key shards are generated |  |
|  |  | A checksum is generated separately for the data and the key shards |  |
|  |  | A Page Number is generated |  |
|  |  | **A Pdf is generated** |  |