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| --- | --- | --- | --- | --- | --- | --- |
| Sequence | caller | callee | Msg name | Msg type | Msg param | Msg constrain |
| 1 | User | Prison computer | Enter details | synchronous | details | - |
| 2 | Prison computer | Prison DB | Verify details | synchronous | Details | - |
| 3 | Prison DB | Prison DB | Check details | synchronous | - | - |
| 4 | Prison DB | Prison computer | Details correct | synchronous | details | - |
| 5 | Prison DB | Update DB | Add User | Asynchronous | Details | - |
| 6 | Prison computer | User | Yes logged in | Synchronous | - | - |
| 7 | Prison computer | User | No incorrect details | Synchronous | - | - |
| 8 | User | Prison computer | User details | synchronous | Details | - |
| 9 | Prison computer | Prison DB | new details | Asynchronous | User | - |
| 10 | Prison DB | Prison DB | Selected roll | Synchronous | - | - |
| 11 | Prison DB | Prison computer | Confirm roll | Synchronous | roll | - |
| 12 | Prison computer | User | Guard | Synchronous | - | - |
| 13 | Prison computer | User | Prisoner | Synchronous | - | - |
| 14 | Prison computer | User | visitor | Synchronous | - | - |
| 15 | Prison DB | User | Confirm user | Synchronous | Boolean | - |
| 16 | User DB | Prison DB | confirmed | Synchronous | - | - |

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| 5 | Prison DB | Update DB | Add User | Asynchronous | Details | - |
| 6 | Prison computer | User | Yes logged in | Synchronous | - | - |
| 7 | Prison computer | User | No incorrect details | Synchronous | - | - |
| 8 | User | Prison computer | User details | synchronous | Details | - |
| 9 | Prison computer | Prison DB | new details | Asynchronous | User | - |
| 10 | Prison DB | Prison DB | Selected roll | Synchronous | - | - |
| 11 | Prison DB | Prison computer | Confirm roll | Synchronous | roll | - |
| 12 | Prison computer | User | Guard | Synchronous | - | - |
| 13 | Prison computer | User | Prisoner | Synchronous | - | - |
| 14 | Prison computer | User | visitor | Synchronous | - | - |
| 15 | Prison DB | User | Confirm user | Synchronous | Boolean | - |
| 16 | User DB | Prison DB | confirmed | Synchronous | - | - |

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| 2 | Prison computer | Prison DB | Verify details | synchronous | Details | - |
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| 4 | Prison DB | Prison computer | Details correct | synchronous | details | - |
| 5 | Prison DB | Update DB | Add User | Asynchronous | Details | - |
| 6 | Prison computer | User | Yes logged in | Synchronous | - | - |
| 7 | Prison computer | User | No incorrect details | Synchronous | - | - |
| 8 | User | Prison computer | User details | synchronous | Details | - |
| 9 | Prison computer | Prison DB | new details | Asynchronous | User | - |
| 10 | Prison DB | Prison DB | Selected roll | Synchronous | - | - |
| 11 | Prison DB | Prison computer | Confirm roll | Synchronous | roll | - |
| 12 | Prison computer | User | Guard | Synchronous | - | - |
| 13 | Prison computer | User | Prisoner | Synchronous | - | - |
| 14 | Prison computer | User | visitor | Synchronous | - | - |
| 15 | Prison DB | User | Confirm user | Synchronous | Boolean | - |
| 16 | User DB | Prison DB | confirmed | Synchronous | - | - |

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| 5 | Prison DB | Update DB | Add User | Asynchronous | Details | - |
| 6 | Prison computer | User | Yes logged in | Synchronous | - | - |
| 7 | Prison computer | User | No incorrect details | Synchronous | - | - |
| 8 | User | Prison computer | User details | synchronous | Details | - |
| 9 | Prison computer | Prison DB | new details | Asynchronous | User | - |
| 10 | Prison DB | Prison DB | Selected roll | Synchronous | - | - |
| 11 | Prison DB | Prison computer | Confirm roll | Synchronous | roll | - |
| 12 | Prison computer | User | Guard | Synchronous | - | - |
| 13 | Prison computer | User | Prisoner | Synchronous | - | - |
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| 8 | User | Prison computer | User details | synchronous | Details | - |
| 9 | Prison computer | Prison DB | new details | Asynchronous | User | - |
| 10 | Prison DB | Prison DB | Selected roll | Synchronous | - | - |
| 11 | Prison DB | Prison computer | Confirm roll | Synchronous | roll | - |
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| 15 | Prison DB | User | Confirm user | Synchronous | Boolean | - |
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| 9 | Prison computer | Prison DB | new details | Asynchronous | User | - |
| 10 | Prison DB | Prison DB | Selected roll | Synchronous | - | - |
| 11 | Prison DB | Prison computer | Confirm roll | Synchronous | roll | - |
| 12 | Prison computer | User | Guard | Synchronous | - | - |
| 13 | Prison computer | User | Prisoner | Synchronous | - | - |
| 14 | Prison computer | User | visitor | Synchronous | - | - |
| 15 | Prison DB | User | Confirm user | Synchronous | Boolean | - |
| 16 | User DB | Prison DB | confirmed | Synchronous | - | - |