Given the domain information for Instant Messaging (IM) software and the security case pattern, here is the derived security case in a hierarchical tree format using dashes to denote different levels.

```

- Goal (G1, IM software is acceptably secure in the IM system)

- Context (C1, Definition and description of IM software)

- Context (C2, Definition and description of IM system)

- Context (C3, Definition of acceptably secure)

- Strategy (S1, Argument that IM software assets are under protection)

- Justification (J1, Protection of IM software assets supports that software is acceptably secure)

- Goal (G2, All identified IM software critical assets are protected)

- Strategy (S2, Respective arguments of IM software critical assets)

- Context (C4, List of IM software critical assets)

- Justification (J2, Relationship between assets is clear and can be argued separately)

- Goal (G3, Registration information is protected)

- Strategy (S3, Argument of the type which the IM software critical asset belongs to)

- Context (C5, List of IM software critical asset types in PEDD)

- Justification (J3, Types of software assets are according to PEDD)

- Goal (G4, Registration information that belongs to Data Exchange is protected)

- Goal (G3, Registration process is protected)

- Strategy (S3, Argument of the type which the IM software critical asset belongs to)

- Context (C5, List of IM software critical asset types in PEDD)

- Justification (J3, Types of software assets are according to PEDD)

- Goal (G4, Registration process that belongs to Process is protected)

- Goal (G3, User account information is protected)

- Strategy (S3, Argument of the type which the IM software critical asset belongs to)

- Context (C5, List of IM software critical asset types in PEDD)

- Justification (J3, Types of software assets are according to PEDD)

- Goal (G4, User account information that belongs to Data Storage is protected)

- Goal (G3, Authentication information is protected)

- Strategy (S3, Argument of the type which the IM software critical asset belongs to)

- Context (C5, List of IM software critical asset types in PEDD)

- Justification (J3, Types of software assets are according to PEDD)

- Goal (G4, Authentication information that belongs to Data Exchange is protected)

- Goal (G3, Login process is protected)

- Strategy (S3, Argument of the type which the IM software critical asset belongs to)

- Context (C5, List of IM software critical asset types in PEDD)

- Justification (J3, Types of software assets are according to PEDD)

- Goal (G4, Login process that belongs to Process is protected)

- Goal (G3, Chat logs are protected)

- Strategy (S3, Argument of the type which the IM software critical asset belongs to)

- Context (C5, List of IM software critical asset types in PEDD)

- Justification (J3, Types of software assets are according to PEDD)

- Goal (G4, Chat logs that belong to Data Storage is protected)

```

This tree structure represents the hierarchical relationships among goals, strategies, contexts, and justifications derived from the given security case pattern for ensuring the security of Instant Messaging software.