Based on the given security case pattern, here is the security case for Instant Messaging (IM) software displayed in a hierarchical tree format:

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G1: IM software is acceptably secure in its system

- C1: Definition and description of IM software

- C2: Definition and description of the system

- C3: Definition of acceptably secure

- S1: Argument that software assets are under protection

- J1: Protection of software assets supports that software is acceptably secure

- G2: All identified software critical assets are protected

- S2: Respective arguments of software critical assets

- C4: List of IM software critical assets

- J2: Relationship between assets is clear and can be argued separately

- G3.1: Registration information is protected

- S3.1: Argument of the type which the registration information belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.1: Registration information which belongs to Data Storage is protected

- G3.2: Registration process is protected

- S3.2: Argument of the type which the registration process belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.2: Registration process which belongs to Process is protected

- G3.3: User account information is protected

- S3.3: Argument of the type which the user account information belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.3: User account information which belongs to Data Storage is protected

- G3.4: Authentication information is protected

- S3.4: Argument of the type which the authentication information belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.4: Authentication information which belongs to Data Exchange is protected

- G3.5: Login process is protected

- S3.5: Argument of the type which the login process belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.5: Login process which belongs to Process is protected

- G3.6: Chat logs are protected

- S3.6: Argument of the type which the chat logs belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.6: Chat logs which belongs to Data Storage is protected

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This hierarchical tree structure clearly illustrates how each element of the security case pattern has been instantiated with system-specific information for the Instant Messaging (IM) software.