



UNIVERSITATEA TEHNICĂ DIN CLUJ-NAPOCA

Varianta Intermediara 2

Proiectare Software

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SI CALCULATOARE

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Cuprins

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1 Microservicii Identificate

1. ArtworkService

Microserviciul responsabil cu gestionarea operelor de artă. Permite adăugarea, editarea, stergerea și afișarea operei, împreună cu imaginile și tipul acesteia.

2. ArtistService

Gestionează informațiile despre artiștii care au opere expuse în galerii. Include numele, fotografia, naționalitatea și locul nașterii artistului.

3. UserService

Se ocupă de gestiunea utilizatorilor autentificați (angajați, manageri, administratori). Include funcționalități de autentificare, editare profil și notificări multiple.

4. SalesService

Administrează vânzările operelor de artă din fiecare galerie. Gestionează înregistrarea vânzărilor și generarea automată a chitanțelor.

5. ReportService

Generează rapoarte și statistici pe baza datelor aggregate din celelalte microservicii. Oferă vizualizări grafice sub diverse forme (radial, coloană, pie etc.).

2 Diagramme de Pachete

2.1 Backend

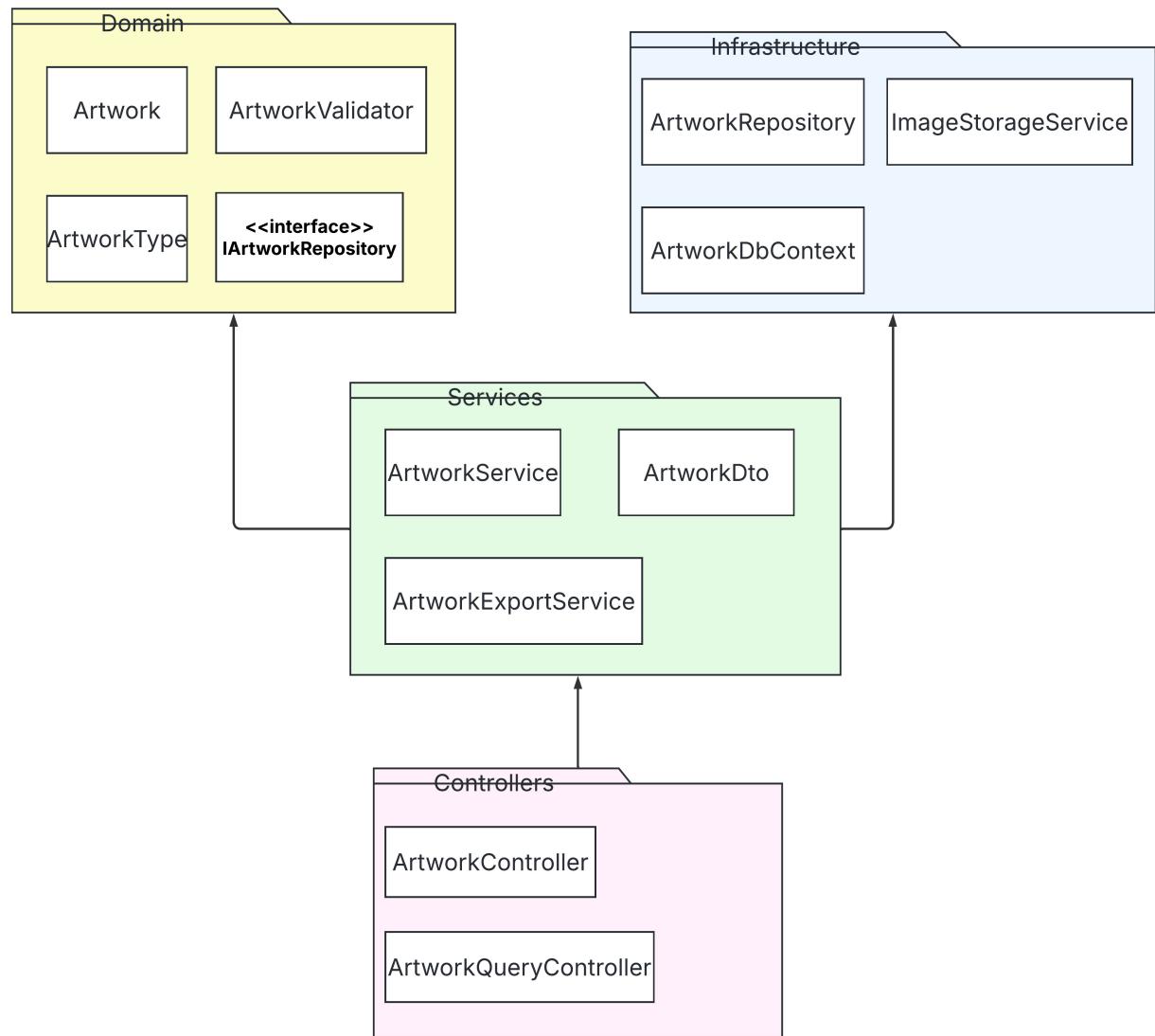


Figura 1: Diagrama microserviciu Artwork

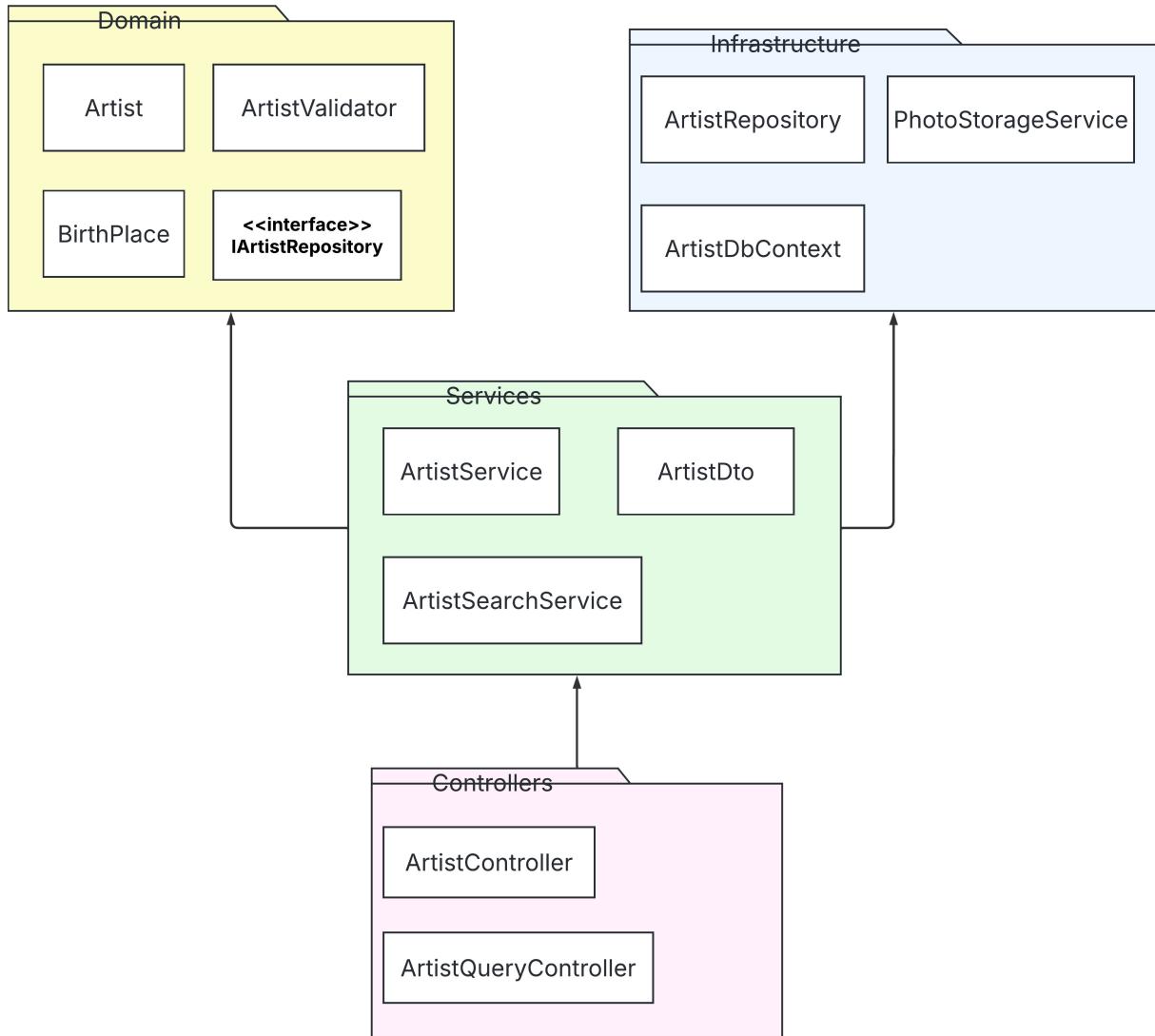


Figura 2: Diagrama microserviciu Artist

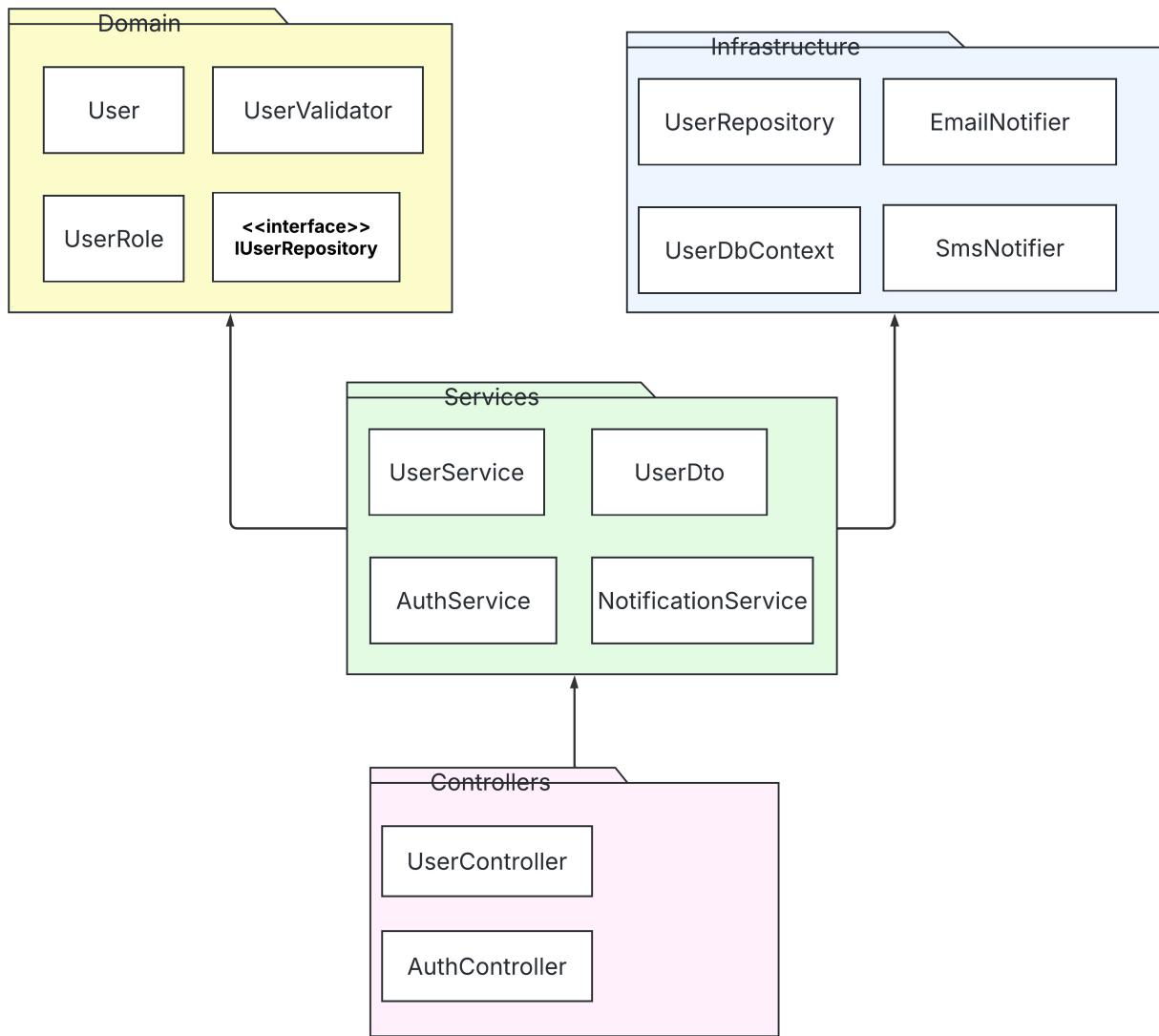


Figura 3: Diagrama microserviciu User

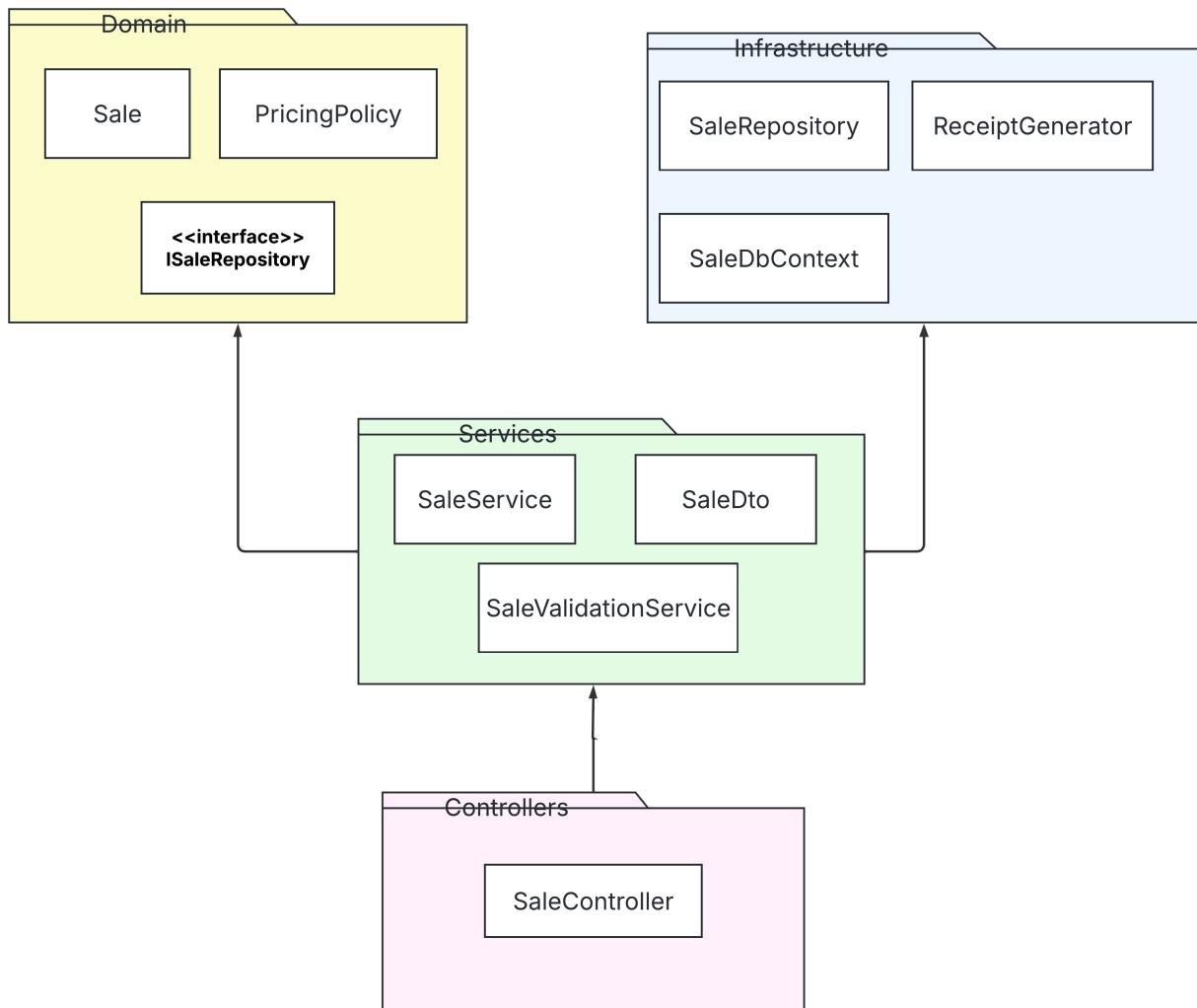


Figura 4: Diagrama microserviciu Sale

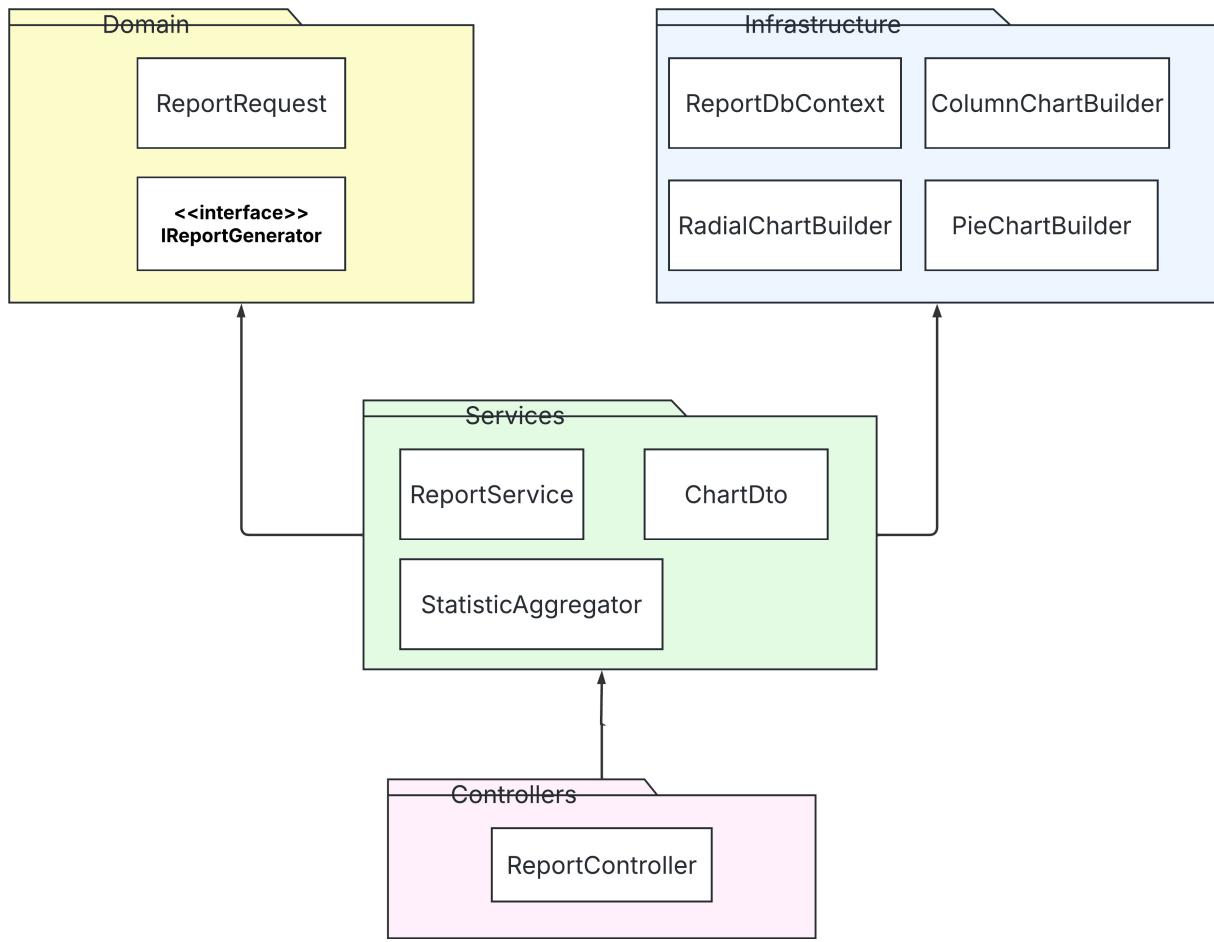


Figura 5: Diagrama microserviciu Report

2.2 Frontend

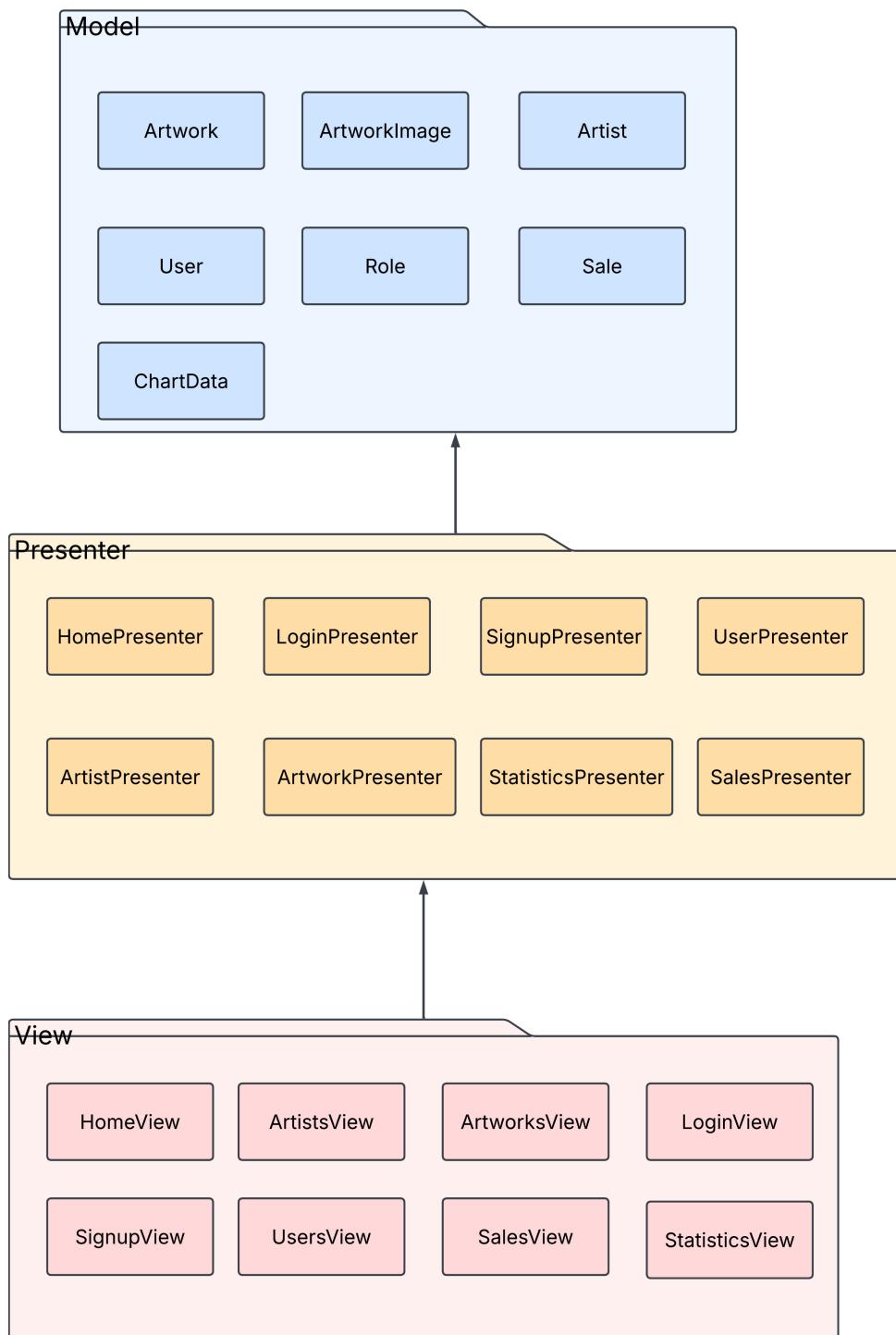


Figura 6: Diagrama Frontend

3 Diagrama de Clase

3.1 Backend

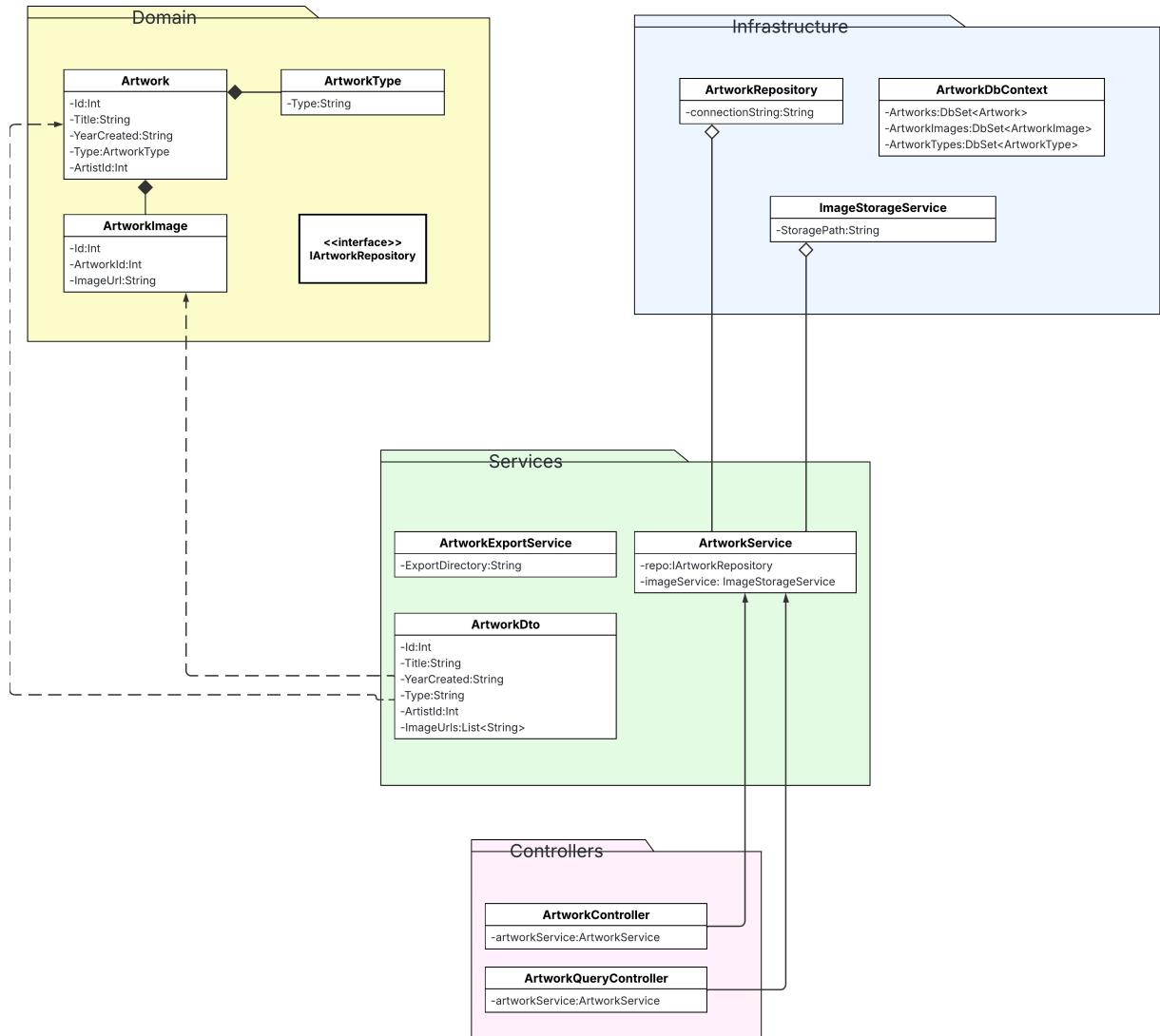


Figura 7: Diagrama microserviciu Artwork

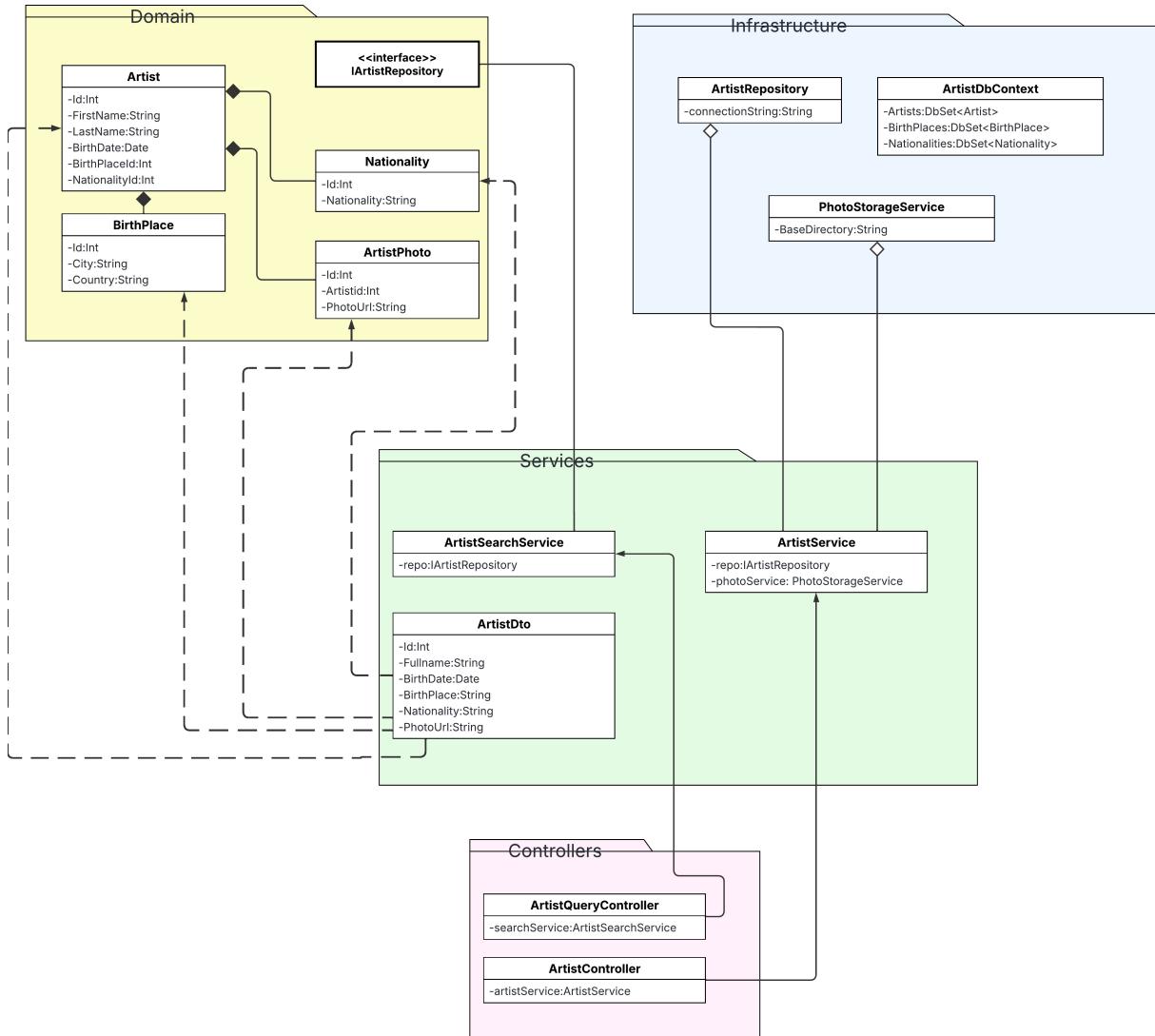


Figura 8: Diagrama microserviciu Artist

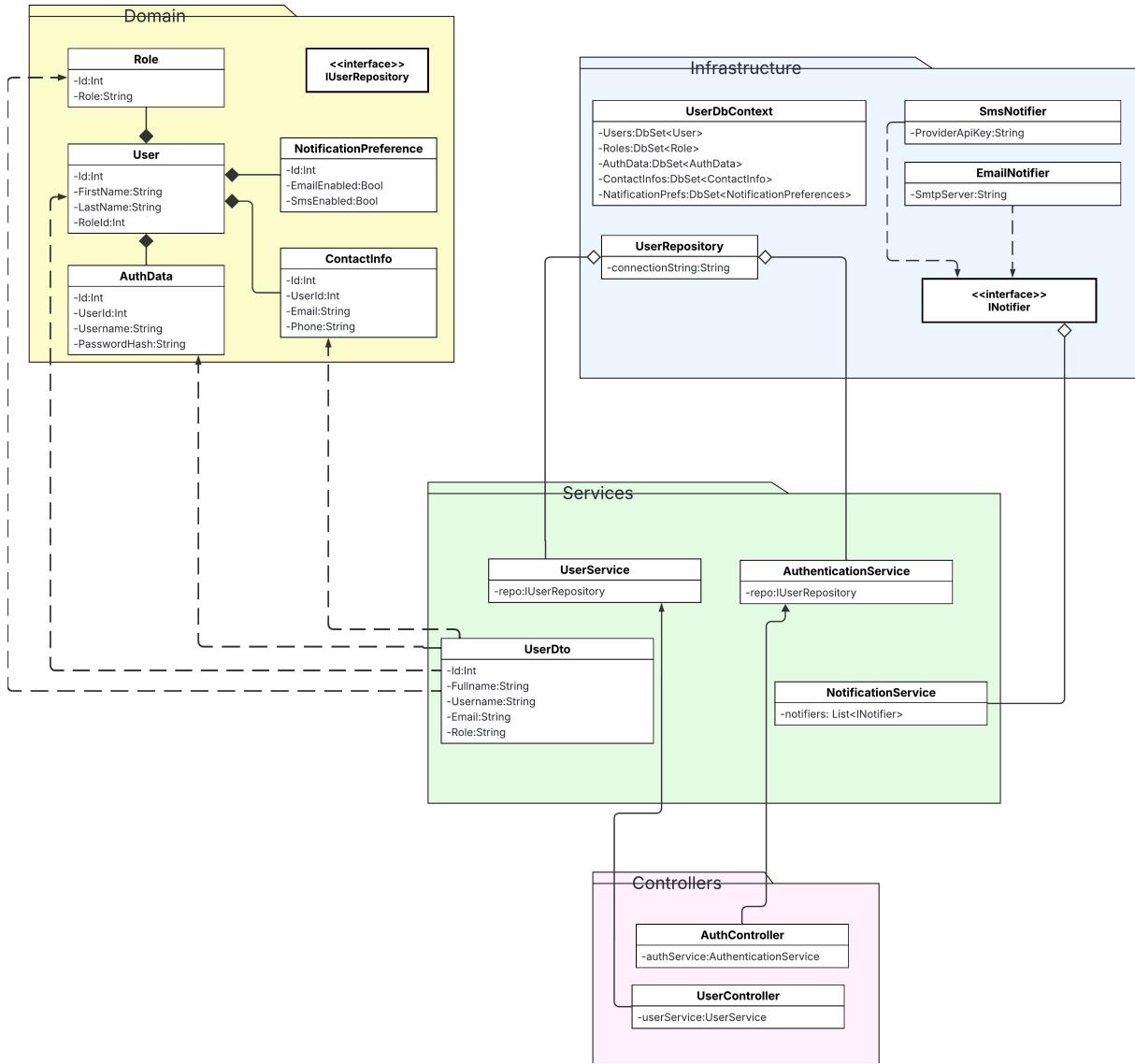


Figura 9: Diagrama microserviciu User

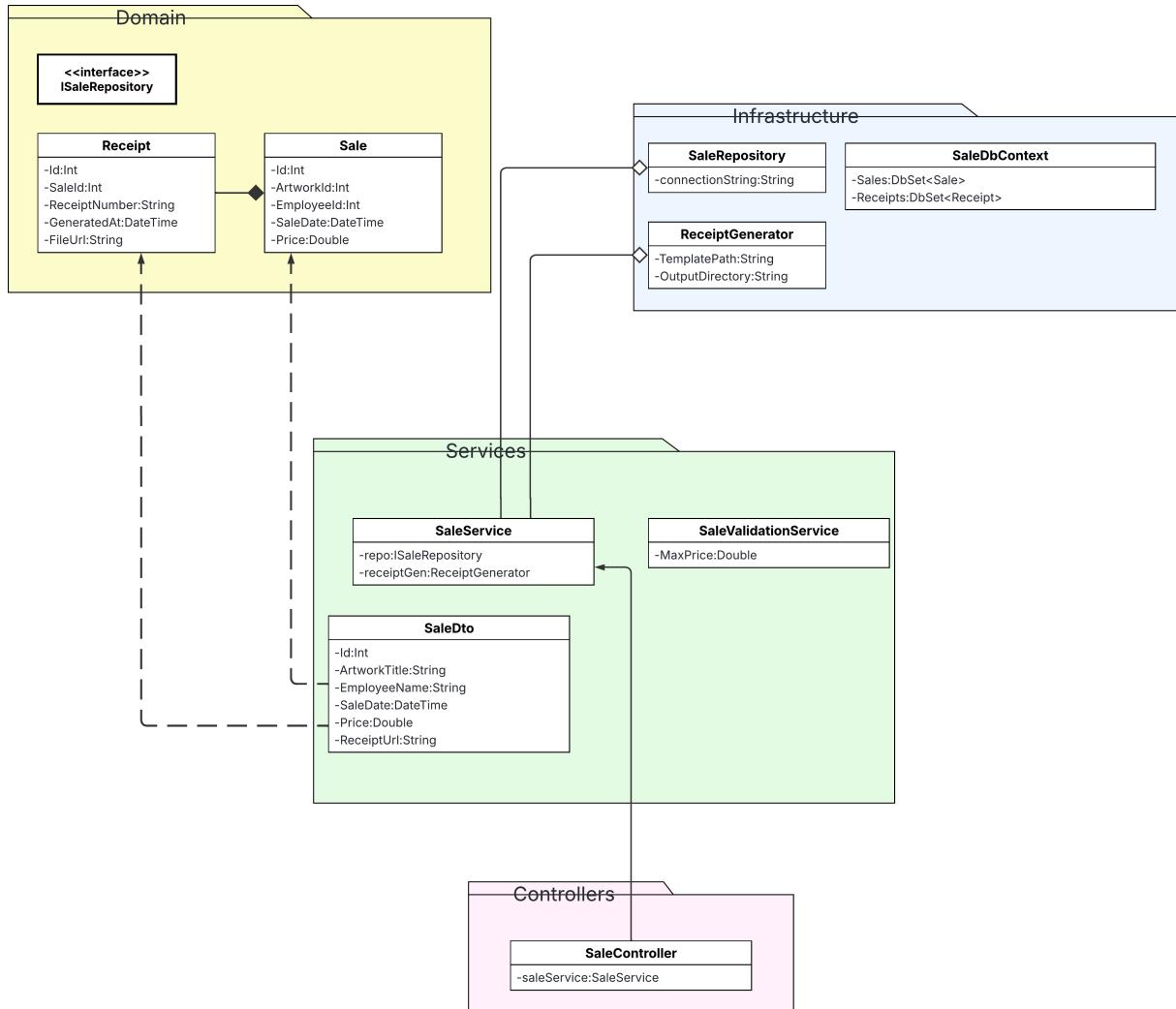


Figura 10: Diagrama microserviciu Sale

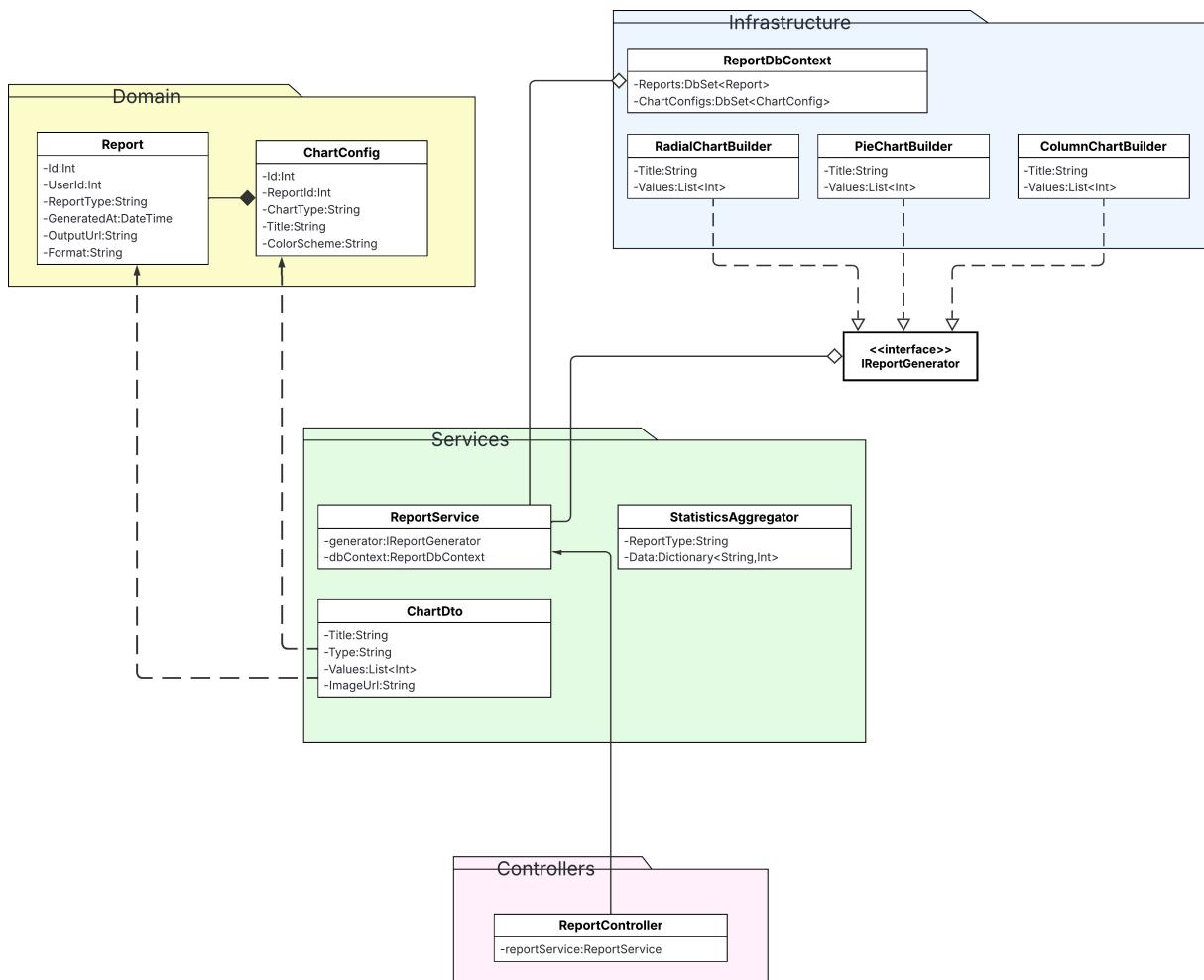


Figura 11: Diagrama microserviciu Report

3.2 Frontend

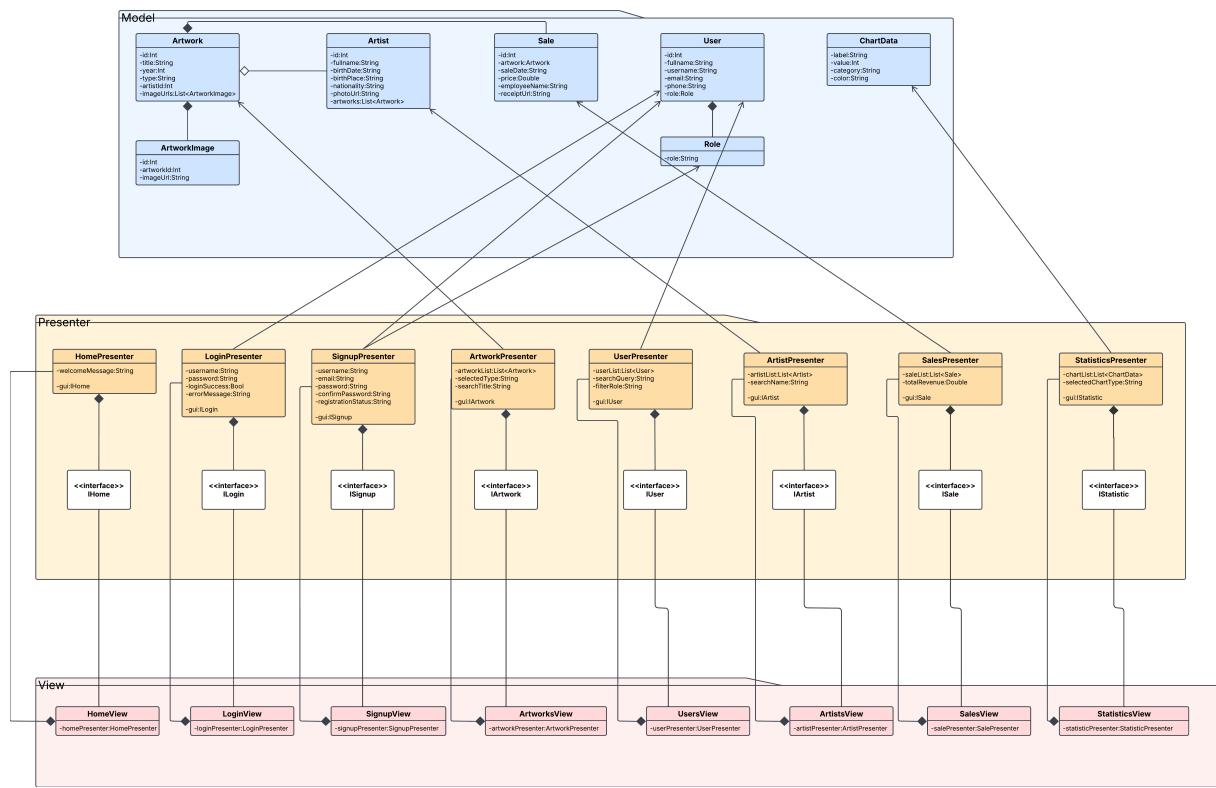


Figura 12: Diagrama Frontend

4 Diagramme Entitate-Relatie

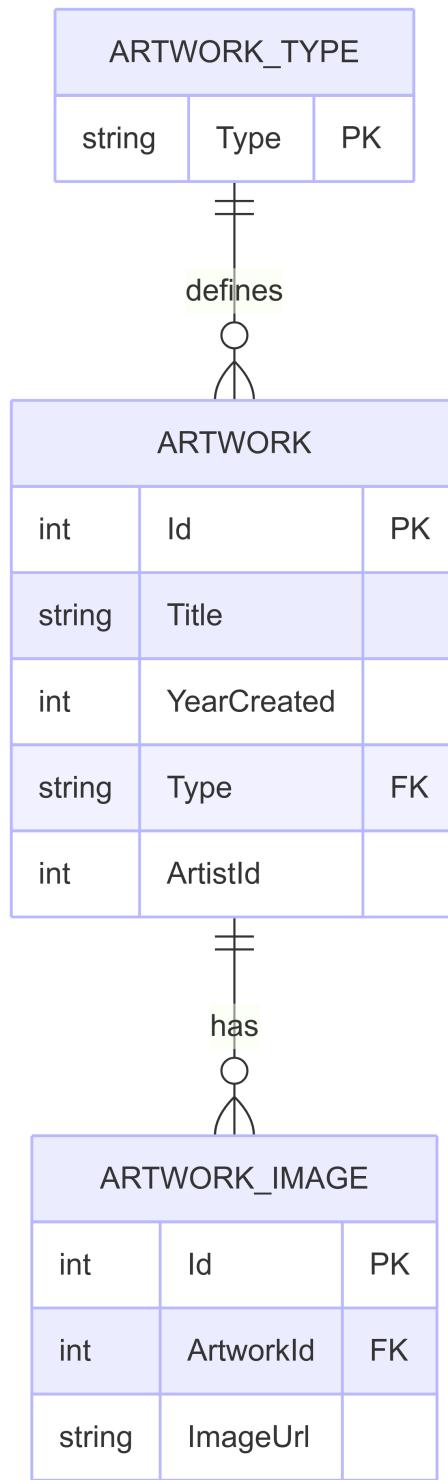


Figura 13: Diagrama microserviciu Artwork

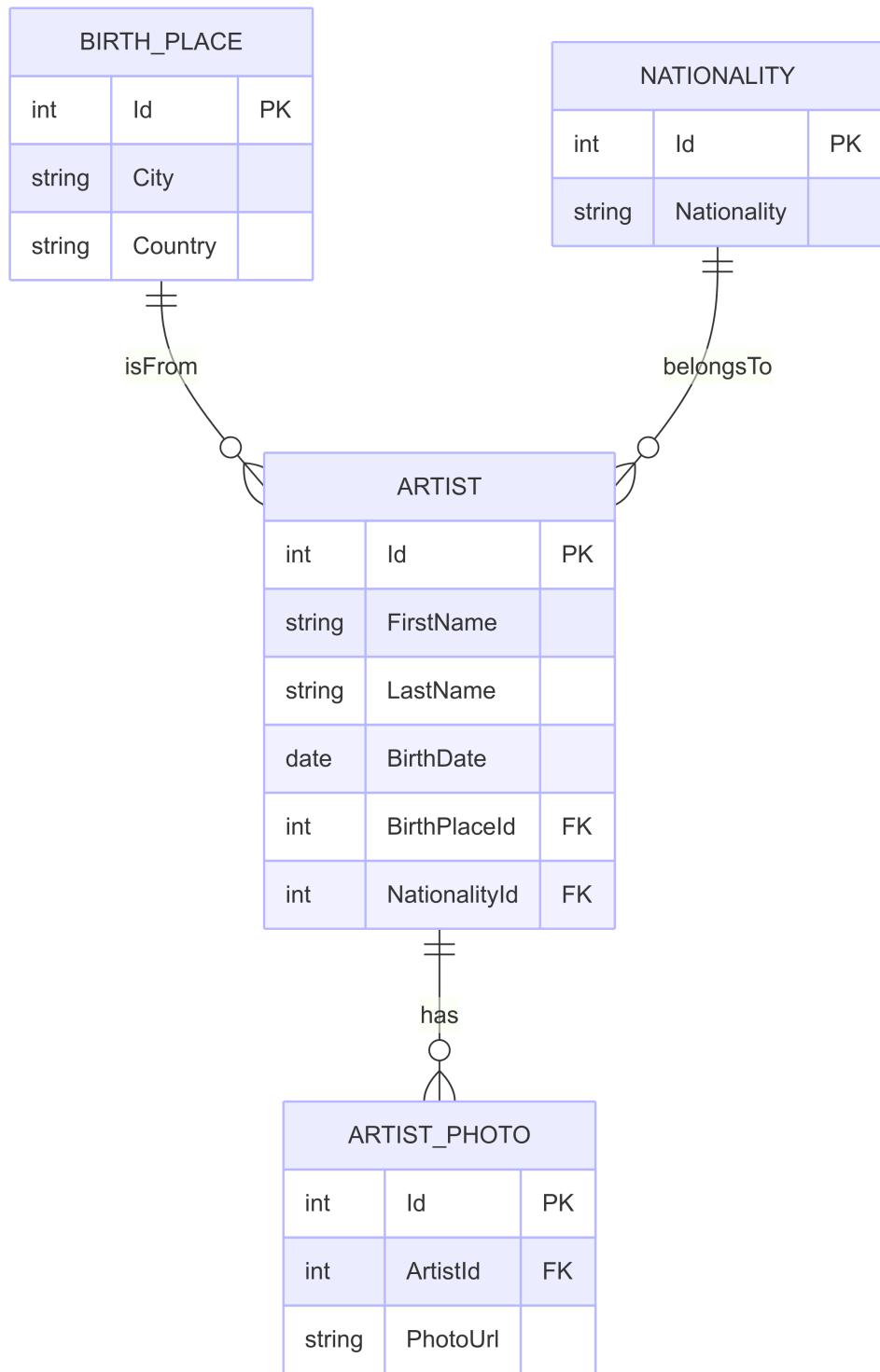


Figura 14: Diagrama microserviciu Artist

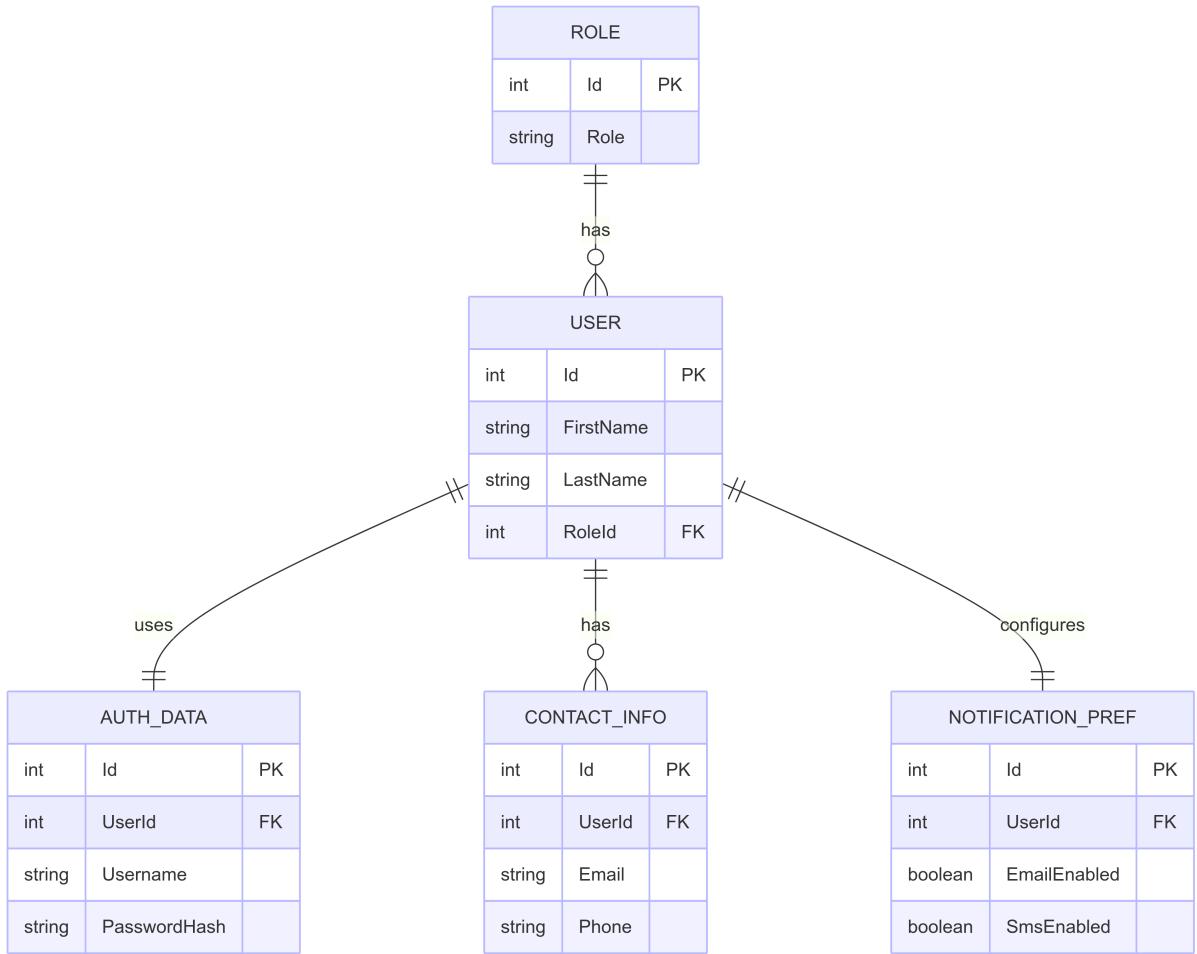


Figura 15: Diagrama microserviciu User

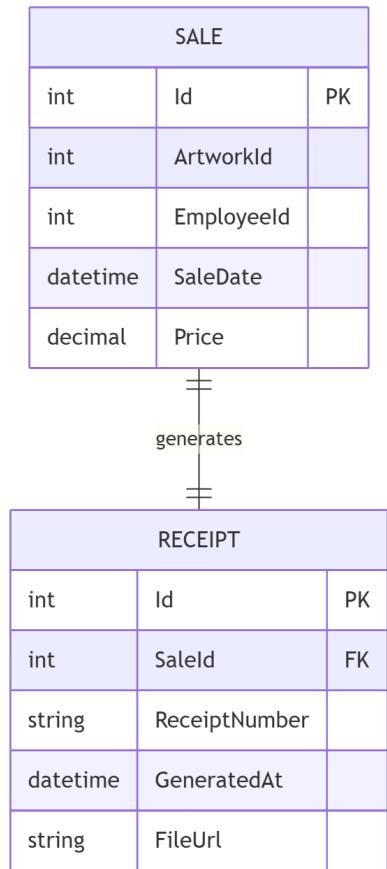


Figura 16: Diagrama microserviciu Sale

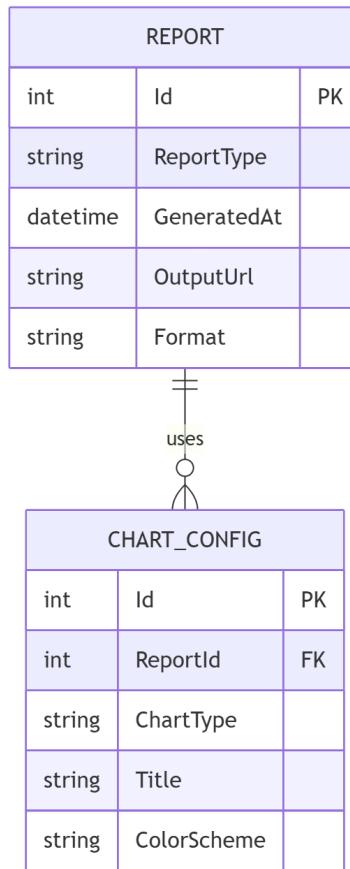


Figura 17: Diagrama microserviciu Report