**📄 AccChiTietGoiDichVu.cs (CS, 39 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccChiTietGoiDichVu

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaGoiDichVu { get; set; }

11 │

12 │ public Guid? MaCtphacDo { get; set; }

13 │

14 │ public Guid? MaDichVu { get; set; }

15 │

16 │ public int? SoLuong { get; set; }

17 │

18 │ public decimal? DonGia { get; set; }

19 │

20 │ public decimal? ThanhTien { get; set; }

21 │

22 │ public bool? DaSuDung { get; set; }

23 │

24 │ public DateTime? NgaySuDung { get; set; }

25 │

26 │ public Guid? UserCreated { get; set; }

27 │

28 │ public DateTime? CreatedDate { get; set; }

29 │

30 │ public Guid? UserModified { get; set; }

31 │

32 │ public DateTime? ModifiedDate { get; set; }

33 │

34 │ public bool? Deleted { get; set; }

35 │

36 │ public Guid? UserDeleted { get; set; }

37 │

38 │ public DateTime? DeletedDate { get; set; }

39 │ }

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**📄 AccChiTietKetChuyenDoanhThuChuaPhatHanhHoaDon.cs (CS, 59 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccChiTietKetChuyenDoanhThuChuaPhatHanhHoaDon

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaKetChuyen { get; set; }

11 │

12 │ public DateTime? NgayChungTu { get; set; }

13 │

14 │ public Guid? MaTiepNhan { get; set; }

15 │

16 │ public Guid? MaPhongBan { get; set; }

17 │

18 │ public int? MaDoiTuongBenhNhan { get; set; }

19 │

20 │ public DateTime? NgayVao { get; set; }

21 │

22 │ public int? MaDoiTuongThanhToan { get; set; }

23 │

24 │ public Guid? MaVienPhi { get; set; }

25 │

26 │ public Guid? MaToaThuoc { get; set; }

27 │

28 │ public Guid? MaDichVu { get; set; }

29 │

30 │ public Guid? MaVatTu { get; set; }

31 │

32 │ public decimal? SoLuong { get; set; }

33 │

34 │ public decimal? DonGiaDv { get; set; }

35 │

36 │ public decimal? DonGiaBh { get; set; }

37 │

38 │ public decimal? DonGiaBhtt { get; set; }

39 │

40 │ public decimal? ThanhTien { get; set; }

41 │

42 │ public decimal? ThanhTienBhtt { get; set; }

43 │

44 │ public decimal? ThanhTienBntt { get; set; }

45 │

46 │ public Guid? UserCreated { get; set; }

47 │

48 │ public DateTime? CreatedDate { get; set; }

49 │

50 │ public Guid? UserModified { get; set; }

51 │

52 │ public DateTime? ModifiedDate { get; set; }

53 │

54 │ public bool? Deleted { get; set; }

55 │

56 │ public Guid? UserDeleted { get; set; }

57 │

58 │ public DateTime? DeletedDate { get; set; }

59 │ }

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**📄 AccChiTietPhieuThu.cs (CS, 73 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccChiTietPhieuThu

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaPhieuThu { get; set; }

11 │

12 │ public Guid? MaVienPhiNgoaiTru { get; set; }

13 │

14 │ public Guid? MaToaThuoc { get; set; }

15 │

16 │ public Guid? MaVienPhiNoiTru { get; set; }

17 │

18 │ public Guid? MaChiTietDichVuHopDong { get; set; }

19 │

20 │ public Guid? MaPhieuGmhs { get; set; }

21 │

22 │ public int? MaLoaiDoiTuong { get; set; }

23 │

24 │ public Guid? MaDichVu { get; set; }

25 │

26 │ public Guid? MaChiTietToaThuoc { get; set; }

27 │

28 │ public Guid? MaGoiDichVu { get; set; }

29 │

30 │ public Guid? MaVatTu { get; set; }

31 │

32 │ public Guid? MaDvt { get; set; }

33 │

34 │ public decimal? SoLuong { get; set; }

35 │

36 │ public decimal? DonGia { get; set; }

37 │

38 │ public decimal? DonGiaBh { get; set; }

39 │

40 │ public decimal? DonGiaBhthanhToan { get; set; }

41 │

42 │ public decimal? ThanhTien { get; set; }

43 │

44 │ public decimal? ThanhTienBh { get; set; }

45 │

46 │ public decimal? BnthanhToan { get; set; }

47 │

48 │ public decimal? TlmienGiam { get; set; }

49 │

50 │ public decimal? TlthanhToan { get; set; }

51 │

52 │ public Guid? MaCtphieuThu { get; set; }

53 │

54 │ public Guid? UserCreated { get; set; }

55 │

56 │ public DateTime? CreatedDate { get; set; }

57 │

58 │ public Guid? UserModified { get; set; }

59 │

60 │ public DateTime? ModifiedDate { get; set; }

61 │

62 │ public bool? Deleted { get; set; }

63 │

64 │ public Guid? UserDeleted { get; set; }

65 │

66 │ public DateTime? DeletedDate { get; set; }

67 │

68 │ public decimal? SoLuongTheoGio { get; set; }

69 │

70 │ public bool? DaTra { get; set; }

71 │

72 │ public decimal? GiamGia { get; set; }

73 │ }

────────────────────────────────────────────────────────────

**📄 AccChiTietTaiKhoaDaThanhToan.cs (CS, 33 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccChiTietTaiKhoaDaThanhToan

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaChiTietTaiKhoan { get; set; }

11 │

12 │ public Guid? MaLichSuThanhToan { get; set; }

13 │

14 │ public Guid? MaBenhNhan { get; set; }

15 │

16 │ public string? DichVuApDung { get; set; }

17 │

18 │ public decimal? SoTienThanhToan { get; set; }

19 │

20 │ public Guid? UserCreated { get; set; }

21 │

22 │ public DateTime? CreatedDate { get; set; }

23 │

24 │ public Guid? UserModified { get; set; }

25 │

26 │ public DateTime? ModifiedDate { get; set; }

27 │

28 │ public bool? Deleted { get; set; }

29 │

30 │ public Guid? UserDeleted { get; set; }

31 │

32 │ public DateTime? DeletedDate { get; set; }

33 │ }

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**📄 AccChiTietTaiKhoan.cs (CS, 39 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccChiTietTaiKhoan

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaLichSuNapThe { get; set; }

11 │

12 │ public Guid? MaBenhNhan { get; set; }

13 │

14 │ public Guid? MaKm { get; set; }

15 │

16 │ public Guid? MaDichVu { get; set; }

17 │

18 │ public decimal? SoTien { get; set; }

19 │

20 │ public decimal? SuDung { get; set; }

21 │

22 │ public decimal? ConLai { get; set; }

23 │

24 │ public Guid? UserCreated { get; set; }

25 │

26 │ public DateTime? CreatedDate { get; set; }

27 │

28 │ public Guid? UserModified { get; set; }

29 │

30 │ public DateTime? ModifiedDate { get; set; }

31 │

32 │ public bool? Deleted { get; set; }

33 │

34 │ public Guid? UserDeleted { get; set; }

35 │

36 │ public DateTime? DeletedDate { get; set; }

37 │

38 │ public string? DichVuApDung { get; set; }

39 │ }

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**📄 AccGoiDichVuKhachHang.cs (CS, 45 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccGoiDichVuKhachHang

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaBenhNhan { get; set; }

11 │

12 │ public Guid? MaTaiKhoanDichVu { get; set; }

13 │

14 │ public Guid? MaGoiDichVu { get; set; }

15 │

16 │ public Guid? MaDichVu { get; set; }

17 │

18 │ public int? SoLuong { get; set; }

19 │

20 │ public decimal? SoTien { get; set; }

21 │

22 │ public int? SoLuongMua { get; set; }

23 │

24 │ public decimal? SoTienMua { get; set; }

25 │

26 │ public Guid? HinhThucTt { get; set; }

27 │

28 │ public Guid? MaThanhToan { get; set; }

29 │

30 │ public string? GhiChu { get; set; }

31 │

32 │ public Guid? UserCreated { get; set; }

33 │

34 │ public DateTime? CreatedDate { get; set; }

35 │

36 │ public Guid? UserModified { get; set; }

37 │

38 │ public DateTime? ModifiedDate { get; set; }

39 │

40 │ public bool? Deleted { get; set; }

41 │

42 │ public Guid? UserDeleted { get; set; }

43 │

44 │ public DateTime? DeletedDate { get; set; }

45 │ }

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**📄 AccGoiDichVuTiemChung.cs (CS, 47 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccGoiDichVuTiemChung

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public string? Ten { get; set; }

11 │

12 │ public Guid? MaPhacDo { get; set; }

13 │

14 │ public Guid? MaTiepNhan { get; set; }

15 │

16 │ public Guid? MaThongTinKham { get; set; }

17 │

18 │ public Guid? MaBenhNhan { get; set; }

19 │

20 │ public decimal? ThanhTien { get; set; }

21 │

22 │ public decimal? ChietKhauPer { get; set; }

23 │

24 │ public decimal? PhaiThu { get; set; }

25 │

26 │ public decimal? DaThanhToan { get; set; }

27 │

28 │ public DateTime? NgayThanhToan { get; set; }

29 │

30 │ public Guid? NguoiThanhToan { get; set; }

31 │

32 │ public Guid? MaPhieuThu { get; set; }

33 │

34 │ public Guid? UserCreated { get; set; }

35 │

36 │ public DateTime? CreatedDate { get; set; }

37 │

38 │ public Guid? UserModified { get; set; }

39 │

40 │ public DateTime? ModifiedDate { get; set; }

41 │

42 │ public bool? Deleted { get; set; }

43 │

44 │ public Guid? UserDeleted { get; set; }

45 │

46 │ public DateTime? DeletedDate { get; set; }

47 │ }

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**📄 AccHinhThucTt.cs (CS, 29 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccHinhThucTt

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public string? Code { get; set; }

11 │

12 │ public string? Ten { get; set; }

13 │

14 │ public bool? Status { get; set; }

15 │

16 │ public Guid? UserCreated { get; set; }

17 │

18 │ public DateTime? CreatedDate { get; set; }

19 │

20 │ public Guid? UserModified { get; set; }

21 │

22 │ public DateTime? ModifiedDate { get; set; }

23 │

24 │ public bool? Deleted { get; set; }

25 │

26 │ public Guid? UserDeleted { get; set; }

27 │

28 │ public DateTime? DeletedDate { get; set; }

29 │ }

────────────────────────────────────────────────────────────

**📄 AccKetChuyenDoanhThuChuaPhatHanhHoaDon.cs (CS, 27 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccKetChuyenDoanhThuChuaPhatHanhHoaDon

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public int? Thang { get; set; }

11 │

12 │ public int? Nam { get; set; }

13 │

14 │ public Guid? UserCreated { get; set; }

15 │

16 │ public DateTime? CreatedDate { get; set; }

17 │

18 │ public Guid? UserModified { get; set; }

19 │

20 │ public DateTime? ModifiedDate { get; set; }

21 │

22 │ public bool? Deleted { get; set; }

23 │

24 │ public Guid? UserDeleted { get; set; }

25 │

26 │ public DateTime? DeletedDate { get; set; }

27 │ }

────────────────────────────────────────────────────────────

**📄 AccLichSuNapThe.cs (CS, 63 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccLichSuNapThe

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaBenhNhan { get; set; }

11 │

12 │ public DateTime? NgayNap { get; set; }

13 │

14 │ public string? NguoiNap { get; set; }

15 │

16 │ public string? SoDienThoai { get; set; }

17 │

18 │ public string? Cccd { get; set; }

19 │

20 │ public decimal? SoTien { get; set; }

21 │

22 │ public Guid? HinhThucNap { get; set; }

23 │

24 │ public bool? TamUngTiepNhan { get; set; }

25 │

26 │ public int? MaVoucherQlvc { get; set; }

27 │

28 │ public Guid? MaVoucherHis { get; set; }

29 │

30 │ public string? MaThe { get; set; }

31 │

32 │ public string? GhiChu { get; set; }

33 │

34 │ public decimal? SoDuTruocKhiNap { get; set; }

35 │

36 │ public decimal? SoDuSauKhiNap { get; set; }

37 │

38 │ public decimal? GiaTriThuc { get; set; }

39 │

40 │ public decimal? GiaTriKm { get; set; }

41 │

42 │ public Guid? MaPhieuThu { get; set; }

43 │

44 │ public Guid? MaKhuyenMai { get; set; }

45 │

46 │ public Guid? UserCreated { get; set; }

47 │

48 │ public DateTime? CreatedDate { get; set; }

49 │

50 │ public Guid? UserModified { get; set; }

51 │

52 │ public DateTime? ModifiedDate { get; set; }

53 │

54 │ public bool? Deleted { get; set; }

55 │

56 │ public Guid? UserDeleted { get; set; }

57 │

58 │ public DateTime? DeletedDate { get; set; }

59 │

60 │ public decimal? SoDuThamMyTruocKhiNap { get; set; }

61 │

62 │ public decimal? SoDuThamMySauKhiNap { get; set; }

63 │ }

────────────────────────────────────────────────────────────

**📄 AccLichSuThanhToan.cs (CS, 75 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccLichSuThanhToan

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaBenhNhan { get; set; }

11 │

12 │ public Guid? MaHopDong { get; set; }

13 │

14 │ public Guid? MaTaiKhoanDv { get; set; }

15 │

16 │ public DateTime? NgayThanhToan { get; set; }

17 │

18 │ public Guid? HinhThucTt { get; set; }

19 │

20 │ public decimal? SoTienThanhToanTamUng { get; set; }

21 │

22 │ public decimal? SoTienThanhToanNoiTru { get; set; }

23 │

24 │ public decimal? SoTienThanhToan { get; set; }

25 │

26 │ public Guid? MaTiepNhan { get; set; }

27 │

28 │ public Guid? MaLoaiChiPhi { get; set; }

29 │

30 │ public Guid? MaChiPhi { get; set; }

31 │

32 │ public Guid? MaPhieuThu { get; set; }

33 │

34 │ public bool? RutThe { get; set; }

35 │

36 │ public bool? HoanTra { get; set; }

37 │

38 │ public string? NguoiThanhToan { get; set; }

39 │

40 │ public string? Cccd { get; set; }

41 │

42 │ public string? DienGiai { get; set; }

43 │

44 │ public decimal? SoDuTruocTt { get; set; }

45 │

46 │ public decimal? SoDuSauTt { get; set; }

47 │

48 │ public decimal? ChietKhauKm { get; set; }

49 │

50 │ public decimal? TongThanhToan { get; set; }

51 │

52 │ public decimal? SoDuKmtruocCk { get; set; }

53 │

54 │ public decimal? SoDuKmsauCk { get; set; }

55 │

56 │ public Guid? MaKm { get; set; }

57 │

58 │ public Guid? UserCreated { get; set; }

59 │

60 │ public DateTime? CreatedDate { get; set; }

61 │

62 │ public Guid? UserModified { get; set; }

63 │

64 │ public DateTime? ModifiedDate { get; set; }

65 │

66 │ public bool? Deleted { get; set; }

67 │

68 │ public Guid? UserDeleted { get; set; }

69 │

70 │ public DateTime? DeletedDate { get; set; }

71 │

72 │ public decimal? SoDuThamMyTruocTt { get; set; }

73 │

74 │ public decimal? SoDuThamMySauTt { get; set; }

75 │ }

────────────────────────────────────────────────────────────

**📄 AccLichSuThanhToanGoiDichVu.cs (CS, 53 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccLichSuThanhToanGoiDichVu

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaBenhNhan { get; set; }

11 │

12 │ public Guid? MaTiepNhan { get; set; }

13 │

14 │ public Guid? MaVienPhiNgoaiTru { get; set; }

15 │

16 │ public Guid? MaGoiDichVuKh { get; set; }

17 │

18 │ public Guid? MaGoiDichVu { get; set; }

19 │

20 │ public Guid? MaChiTietGoiDichVu { get; set; }

21 │

22 │ public Guid? MaDichVu { get; set; }

23 │

24 │ public int? SoLuong { get; set; }

25 │

26 │ public decimal? SoTien { get; set; }

27 │

28 │ public int? SoLanConLai { get; set; }

29 │

30 │ public decimal? SoTienConLai { get; set; }

31 │

32 │ public decimal? TongTienTruocTt { get; set; }

33 │

34 │ public decimal? TongTienSauTt { get; set; }

35 │

36 │ public Guid? MaPhieuThu { get; set; }

37 │

38 │ public string? GhiChu { get; set; }

39 │

40 │ public Guid? UserCreated { get; set; }

41 │

42 │ public DateTime? CreatedDate { get; set; }

43 │

44 │ public Guid? UserModified { get; set; }

45 │

46 │ public DateTime? ModifiedDate { get; set; }

47 │

48 │ public bool? Deleted { get; set; }

49 │

50 │ public Guid? UserDeleted { get; set; }

51 │

52 │ public DateTime? DeletedDate { get; set; }

53 │ }

────────────────────────────────────────────────────────────

**📄 AccLoaiPhieuThu.cs (CS, 29 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccLoaiPhieuThu

7 │ {

8 │ public int Ma { get; set; }

9 │

10 │ public string? Code { get; set; }

11 │

12 │ public string? Ten { get; set; }

13 │

14 │ public bool? Status { get; set; }

15 │

16 │ public Guid? UserCreated { get; set; }

17 │

18 │ public DateTime? CreatedDate { get; set; }

19 │

20 │ public Guid? UserModified { get; set; }

21 │

22 │ public DateTime? ModifiedDate { get; set; }

23 │

24 │ public bool? Deleted { get; set; }

25 │

26 │ public Guid? UserDeleted { get; set; }

27 │

28 │ public DateTime? DeletedDate { get; set; }

29 │ }

────────────────────────────────────────────────────────────

**📄 AccPhieuThu.cs (CS, 83 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccPhieuThu

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaTiepNhan { get; set; }

11 │

12 │ public Guid? MaThongTinKham { get; set; }

13 │

14 │ public Guid? MaHopDong { get; set; }

15 │

16 │ public Guid? MaBenhNhan { get; set; }

17 │

18 │ public int? MaLoaiPhieuThu { get; set; }

19 │

20 │ public string? Code { get; set; }

21 │

22 │ public DateTime? NgayChungTu { get; set; }

23 │

24 │ public decimal? SoTienPhaiThu { get; set; }

25 │

26 │ public decimal? SoTienThanhToan { get; set; }

27 │

28 │ public decimal? SoTienQuaThe { get; set; }

29 │

30 │ public decimal? SoTienQuaTheNh { get; set; }

31 │

32 │ public decimal? SoTienConLai { get; set; }

33 │

34 │ public decimal? SoTienMienGiam { get; set; }

35 │

36 │ public Guid? HinhThucTt { get; set; }

37 │

38 │ public string? GhiChu { get; set; }

39 │

40 │ public bool? DaIn { get; set; }

41 │

42 │ public Guid? MaPhieuThu { get; set; }

43 │

44 │ public Guid? MaPhieuXuat { get; set; }

45 │

46 │ public Guid? MaPhieuNhapTra { get; set; }

47 │

48 │ public string? MaGiaoDichNganHang { get; set; }

49 │

50 │ public Guid? MaBanLe { get; set; }

51 │

52 │ public Guid? MaSoThuTu { get; set; }

53 │

54 │ public string? RequestId { get; set; }

55 │

56 │ public bool? Status { get; set; }

57 │

58 │ public int? SeqSoHoaDon { get; set; }

59 │

60 │ public Guid? UserCreated { get; set; }

61 │

62 │ public DateTime? CreatedDate { get; set; }

63 │

64 │ public Guid? UserModified { get; set; }

65 │

66 │ public DateTime? ModifiedDate { get; set; }

67 │

68 │ public bool? Deleted { get; set; }

69 │

70 │ public Guid? UserDeleted { get; set; }

71 │

72 │ public DateTime? DeletedDate { get; set; }

73 │

74 │ public string? ChuKyKhachHang { get; set; }

75 │

76 │ public decimal? MucHuong { get; set; }

77 │

78 │ public decimal? SalaryBasic { get; set; }

79 │

80 │ public decimal? Per { get; set; }

81 │

82 │ public Guid? MaPhongBanThu { get; set; }

83 │ }

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**📄 AccTaiKhoanDichVu.cs (CS, 43 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AccTaiKhoanDichVu

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaLichSuThanhToan { get; set; }

11 │

12 │ public Guid? MaBenhNhan { get; set; }

13 │

14 │ public Guid? MaGoiDichVu { get; set; }

15 │

16 │ public int? SoLuong { get; set; }

17 │

18 │ public int? SoTien { get; set; }

19 │

20 │ public Guid? HinhThucTt { get; set; }

21 │

22 │ public Guid? MaThanhToan { get; set; }

23 │

24 │ public decimal? SoDuTruoc { get; set; }

25 │

26 │ public decimal? SoDuSau { get; set; }

27 │

28 │ public string? GhiChu { get; set; }

29 │

30 │ public Guid? UserCreated { get; set; }

31 │

32 │ public DateTime? CreatedDate { get; set; }

33 │

34 │ public Guid? UserModified { get; set; }

35 │

36 │ public DateTime? ModifiedDate { get; set; }

37 │

38 │ public bool? Deleted { get; set; }

39 │

40 │ public Guid? UserDeleted { get; set; }

41 │

42 │ public DateTime? DeletedDate { get; set; }

43 │ }

────────────────────────────────────────────────────────────

**📄 AgyChiTietHoatChatDiUng.cs (CS, 31 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AgyChiTietHoatChatDiUng

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaTienSuDiUng { get; set; }

11 │

12 │ public Guid? MaNoiDungDiUng { get; set; }

13 │

14 │ public Guid? MaBenhNhan { get; set; }

15 │

16 │ public Guid? MaHoatChat { get; set; }

17 │

18 │ public Guid? UserCreated { get; set; }

19 │

20 │ public DateTime? CreatedDate { get; set; }

21 │

22 │ public Guid? UserModified { get; set; }

23 │

24 │ public DateTime? ModifiedDate { get; set; }

25 │

26 │ public bool? Deleted { get; set; }

27 │

28 │ public Guid? UserDeleted { get; set; }

29 │

30 │ public DateTime? DeletedDate { get; set; }

31 │ }

────────────────────────────────────────────────────────────

**📄 AgyChiTietTienSuDiUng.cs (CS, 41 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AgyChiTietTienSuDiUng

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaTienSuDiUng { get; set; }

11 │

12 │ public Guid? MaNoiDungDiUng { get; set; }

13 │

14 │ public int? Stt { get; set; }

15 │

16 │ public string? Code { get; set; }

17 │

18 │ public string? Ten { get; set; }

19 │

20 │ public int? SoLan { get; set; }

21 │

22 │ public bool? Co { get; set; }

23 │

24 │ public string? CauTraLoi { get; set; }

25 │

26 │ public string? BieuHienLamSang { get; set; }

27 │

28 │ public Guid? UserCreated { get; set; }

29 │

30 │ public DateTime? CreatedDate { get; set; }

31 │

32 │ public Guid? UserModified { get; set; }

33 │

34 │ public DateTime? ModifiedDate { get; set; }

35 │

36 │ public bool? Deleted { get; set; }

37 │

38 │ public Guid? UserDeleted { get; set; }

39 │

40 │ public DateTime? DeletedDate { get; set; }

41 │ }

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**📄 AgyNoiDungDiUng.cs (CS, 39 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AgyNoiDungDiUng

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public int? Stt { get; set; }

11 │

12 │ public string? Code { get; set; }

13 │

14 │ public string? Ten { get; set; }

15 │

16 │ public int? KieuDuLieu { get; set; }

17 │

18 │ public string? CauTraLoiMau { get; set; }

19 │

20 │ public bool? Khac { get; set; }

21 │

22 │ public bool? DiUngHoatChatThuoc { get; set; }

23 │

24 │ public bool? Status { get; set; }

25 │

26 │ public Guid? UserCreated { get; set; }

27 │

28 │ public DateTime? CreatedDate { get; set; }

29 │

30 │ public Guid? UserModified { get; set; }

31 │

32 │ public DateTime? ModifiedDate { get; set; }

33 │

34 │ public bool? Deleted { get; set; }

35 │

36 │ public Guid? UserDeleted { get; set; }

37 │

38 │ public DateTime? DeletedDate { get; set; }

39 │ }

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**📄 AgyTienSuDiUng.cs (CS, 31 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class AgyTienSuDiUng

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaTiepNhan { get; set; }

11 │

12 │ public Guid? MaBenhNhan { get; set; }

13 │

14 │ public Guid? MaNhanVienDanhGia { get; set; }

15 │

16 │ public string? ChuKy { get; set; }

17 │

18 │ public Guid? UserCreated { get; set; }

19 │

20 │ public DateTime? CreatedDate { get; set; }

21 │

22 │ public Guid? UserModified { get; set; }

23 │

24 │ public DateTime? ModifiedDate { get; set; }

25 │

26 │ public bool? Deleted { get; set; }

27 │

28 │ public Guid? UserDeleted { get; set; }

29 │

30 │ public DateTime? DeletedDate { get; set; }

31 │ }

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**📄 ApiControllerBase.cs (CS, 44 lines)**

1 │ using HISCustomerAPI.Models;

2 │ using HISCustomerAPI.Models.Entity;

3 │ using HISCustomerAPI.Models.EntityDKKB;

4 │ using Microsoft.AspNetCore.Mvc;

5 │

6 │ namespace HISCustomerAPI.Controllers.Base

7 │ {

8 │ [ApiController]

9 │ public abstract class ApiControllerBase : ControllerBase

10 │ {

11 │ protected readonly HisDangkykhamContext \_dkkbDBContext;

12 │ protected readonly HisHhhContext \_dbcontext;

13 │ public UserDKKBToken? objToken { get; set; }

14 │

15 │ // Common response messages

16 │ protected static readonly ResponseModel ResponseNotExist = new ResponseModelError("Đối tượng không tồn ...

17 │ protected static readonly ResponseModel ResponseHaveError = new ResponseModelError("Đã xảy ra lỗi");

18 │ protected static readonly ResponseModel ResponseAddFailure = new ResponseModelError("Thêm thất bại");

19 │ protected static readonly ResponseModel ResponseUpdateSuccessfully = new ResponseModelSuccess("Cập nhật thà...

20 │ protected static readonly ResponseModel ResponseUpdateFailure = new ResponseModelError("Cập nhật thất bạ...

21 │ protected static readonly ResponseModel ResponseSuccessfully = new ResponseModelSuccess("Thành công");

22 │ protected static readonly ResponseModel ResponseDateFormatIsIncorrect = new ResponseModelError("Định dạng n...

23 │ protected static readonly ResponseModel ResponseAddSuccessfully = new ResponseModelSuccess("Thêm thành công")...

24 │ protected static readonly ResponseModel ResponseObjectExists = new ResponseModelError("Đối tượng đã tồ...

25 │ protected static readonly ResponseModel ResponseRegisterSuccessfully = new ResponseModelSuccess("Đăng kí thà...

26 │

27 │ protected ApiControllerBase(HisDangkykhamContext dkkbDBContext, HisHhhContext dbcontext)

28 │ {

29 │ \_dkkbDBContext = dkkbDBContext;

30 │ \_dbcontext = dbcontext;

31 │ }

32 │ protected void AttachCountryCodeForPhoneNumber(in string phoneNumber, out string phoneNumberAttach)

33 │ {

34 │ if (!string.IsNullOrEmpty(phoneNumber) && phoneNumber.StartsWith("0"))

35 │ {

36 │ phoneNumberAttach = "84" + phoneNumber.Substring(1);

37 │ }

38 │ else

39 │ {

40 │ phoneNumberAttach = phoneNumber ?? "";

41 │ }

42 │ }

43 │ }

44 │ }

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**📄 AppConstants.cs (CS, 10 lines)**

1 │ namespace HISCustomerAPI.Common.Constants

2 │ {

3 │ public static class AppConstants

4 │ {

5 │ public const string APP\_VERSION = "1.0.0";

6 │ public const string DKKB\_PASSCODE = "dkkbpasscode";

7 │ public const string RIS\_URL = "http://14.241.209.56:7177/ws/rest/";

8 │ public const string RIS\_VIEWER\_URL = RIS\_URL + "viewer?accessionNumber=";

9 │ }

10 │ }

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**📄 AuthController.cs (CS, 367 lines)**

1 │ using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Controllers.Base;

3 │ using HISCustomerAPI.Models;

4 │ using HISCustomerAPI.Models.Entity;

5 │ using HISCustomerAPI.Models.EntityDKKB;

6 │ using HISCustomerAPI.Models.ExModel;

7 │ using HISCustomerAPI.Services;

8 │ using Microsoft.AspNetCore.Mvc;

9 │ using Newtonsoft.Json;

10 │

11 │ namespace HISCustomerAPI.Controllers

12 │ {

13 │ [Route("[controller]")]

14 │ public class AuthController : ApiControllerBase

15 │ {

16 │ private const string PASSCODE = "dkkbpasscode";

17 │ private static string appver = "1.0.0";

18 │ private static string messIdSuccess = "";

19 │ private readonly INotificationService \_notificationService;

20 │

21 │ public AuthController(

22 │ HisDangkykhamContext dkkbDBContext,

23 │ HisHhhContext dbcontext,

24 │ INotificationService notificationService

25 │ )

26 │ : base(dkkbDBContext, dbcontext)

27 │ {

28 │ \_notificationService = notificationService;

29 │ }

30 │

31 │

32 │ [HttpGet("mess")]

33 │ public IActionResult mess(string messId = "")

34 │ {

35 │ messIdSuccess += messId;

36 │ return Ok(messIdSuccess);

37 │ }

38 │

39 │ [HttpPost("Login")]

40 │ [APIKeyCheck]

41 │ public ResponseModel Login(

42 │ [FromForm] string Username,

43 │ [FromForm] string Password,

44 │ [FromForm] string DeviceID,

45 │ [FromForm] string FCM = ""

46 │ )

47 │ {

48 │ AttachCountryCodeForPhoneNumber(Username, out Username);

49 │ if (Username == "" || Password == "")

50 │ {

51 │ return new ResponseModelError("Thông tin đăng nhập còn trống");

52 │ }

53 │ var x = new ksk\_NguoiDangKyModel(\_dkkbDBContext).Authenticate(Username, Password);

54 │ if (x.Item1.isSuccess())

55 │ {

56 │ KskNguoiDangKy kskNguoiDangKy = \_dkkbDBContext.KskNguoiDangKy.First(t => t.Id == x.Item2!.Id);

57 │ kskNguoiDangKy.Fcm = FCM ?? ""; // Update FCM

58 │

59 │ // Chỉ lưu DeviceID vào Token nếu Token đang null/rỗng

60 │ // Nếu Token đã có giá trị và khác với DeviceID mới -> giữ nguyên Token cũ

61 │ if (string.IsNullOrEmpty(kskNguoiDangKy.Token))

62 │ {

63 │ kskNguoiDangKy.Token = DeviceID;

64 │ }

65 │

66 │ \_dkkbDBContext.SaveChanges();

67 │

68 │ // Lấy deviceID đã lưu từ Token

69 │ string storedDeviceID = kskNguoiDangKy.Token ?? "";

70 │

71 │ // Tạo token với deviceID từ request

72 │ UserDKKBToken objToken = new UserDKKBToken(x.Item2!.Id, DeviceID);

73 │ string obj = Utility.Base64Encode(JsonConvert.SerializeObject(objToken));

74 │ string sign = Utility.GetSHA256(obj + PASSCODE + DateTime.Now.ToString("yyyyMM"));

75 │ string token = obj + "." + sign;

76 │

77 │ return new ResponseModelSuccess("Thành công", new

78 │ {

79 │ username = Username,

80 │ appver = appver,

81 │ token = token,

82 │ deviceid = storedDeviceID, // Trả về deviceID đang lưu trong DB

83 │ });

84 │ }

85 │ else if (x.Item1.isError())

86 │ {

87 │ return new ResponseModelError("Thông tin đăng nhập không chính xác");

88 │ }

89 │ else if (x.Item1.isDisable())

90 │ {

91 │ return new ResponseModelError("Tài khoản đã bị vô hiệu hóa");

92 │ }

93 │ return ResponseHaveError;

94 │ }

95 │

96 │ [HttpPost("GetOTPRegister")]

97 │ [APIKeyCheck]

98 │ public ResponseModel GetOTPRegister([FromForm] string phonenumber, [FromForm] string forceRefresh = "0")

99 │ {

100 │ if (phonenumber != null)

101 │ {

102 │ if (phonenumber.Length < 11)

103 │ {

104 │ AttachCountryCodeForPhoneNumber(phonenumber, out phonenumber);

105 │ }

106 │ if (phonenumber.Length > 11)

107 │ {

108 │ return new ResponseModelError("Số điện thoại bạn nhập vào không đúng định dạng!!...

109 │ }

110 │

111 │ var smsOTPModel = new sms\_OTPModel(\_dkkbDBContext);

112 │

113 │ if (smsOTPModel.CheckPhoneExist(phonenumber))

114 │ {

115 │ if (forceRefresh == "1")

116 │ {

117 │ //smsOTPModel.RemoveOTP(phonenumber);

118 │ if (smsOTPModel.UpdateOTP(phonenumber) == 1)

119 │ {

120 │ return new ResponseModelSuccess("");

121 │ }

122 │ }

123 │

124 │ if (!smsOTPModel.CheckOTPNeedToRenew(phonenumber))

125 │ {

126 │ return new ResponseModel("Exist", "Bạn vẫn còn mã OTP còn hạn sử dụng. Vui lòng s�...

127 │ }

128 │ if (smsOTPModel.CheckOTPLimit(phonenumber))

129 │ {

130 │ return new ResponseModelError("Bạn đã vượt số lần nhận mã OTP tối đa của thá...

131 │ }

132 │ if (smsOTPModel.UpdateOTP(phonenumber) == 1)

133 │ {

134 │ return new ResponseModelSuccess("");

135 │ }

136 │ }

137 │ else

138 │ {

139 │ if (smsOTPModel.AddOTP(phonenumber) == 1)

140 │ {

141 │ return new ResponseModelSuccess("");

142 │ }

143 │ }

144 │ }

145 │ return new ResponseModelError("Null");

146 │ }

147 │

148 │ [HttpPost("GetOTP")]

149 │ [APIKeyCheck]

150 │ public ResponseModel GetOTP([FromForm] string phonenumber, [FromForm] string forceRefresh = "0")

151 │ {

152 │ if (phonenumber != null)

153 │ {

154 │ if (phonenumber.Length < 11)

155 │ {

156 │ AttachCountryCodeForPhoneNumber(phonenumber, out phonenumber);

157 │ }

158 │ if (phonenumber.Length > 11)

159 │ {

160 │ return new ResponseModelError("Số điện thoại bạn nhập vào không đúng định dạng!!...

161 │ }

162 │ if (new ksk\_NguoiDangKyModel(\_dkkbDBContext).GetItemByPhone(phonenumber) != null)

163 │ {

164 │ var smsOTPModel = new sms\_OTPModel(\_dkkbDBContext);

165 │

166 │ if (smsOTPModel.CheckPhoneExist(phonenumber))

167 │ {

168 │ if (forceRefresh == "1")

169 │ {

170 │ //smsOTPModel.RemoveOTP(phonenumber);

171 │ if (smsOTPModel.UpdateOTP(phonenumber) == 1)

172 │ {

173 │ return new ResponseModelSuccess("");

174 │ }

175 │ }

176 │

177 │ if (!smsOTPModel.CheckOTPNeedToRenew(phonenumber))

178 │ {

179 │ return new ResponseModel("Exist", "Bạn vẫn còn mã OTP còn hạn sử dụng. Vui lòn...

180 │ }

181 │ if (smsOTPModel.CheckOTPLimit(phonenumber))

182 │ {

183 │ return new ResponseModelError("Bạn đã vượt số lần nhận mã OTP tối đa của ...

184 │ }

185 │ if (smsOTPModel.UpdateOTP(phonenumber) == 1)

186 │ {

187 │ return new ResponseModelSuccess("");

188 │ }

189 │ }

190 │ else

191 │ {

192 │ if (smsOTPModel.AddOTP(phonenumber) == 1)

193 │ {

194 │ return new ResponseModelSuccess("");

195 │ }

196 │ }

197 │ }

198 │ else

199 │ {

200 │ return new ResponseModelError("Số điện thoại chưa đăng kí");

201 │ }

202 │ }

203 │ return new ResponseModelError("Null");

204 │ }

205 │

206 │ //cập nhật device ID

207 │ [HttpPost("UpdateDevice")]

208 │ [APIKeyCheck]

209 │ public ResponseModel UpdateDevice(

210 │ [FromForm] string username,

211 │ [FromForm] string newdeviceid

212 │ )

213 │ {

214 │ AttachCountryCodeForPhoneNumber(username, out username);

215 │ var user = \_dkkbDBContext.KskNguoiDangKy.FirstOrDefault(t => t.Username == username);

216 │ if (user == null)

217 │ {

218 │ return new ResponseModelError("Không tìm thấy thông tin người dùng");

219 │ }

220 │

221 │ user.Token = newdeviceid;

222 │ \_dkkbDBContext.SaveChanges();

223 │

224 │ return new ResponseModelSuccess("Cập nhật thiết bị thành công");

225 │ }

226 │

227 │ //cập nhật device ID

228 │ [HttpPost("UpdateFCM")]

229 │ [APIKeyCheck]

230 │ public ResponseModel UpdateFCM(

231 │ [FromForm] string username,

232 │ [FromForm] string newFcm

233 │ )

234 │ {

235 │ AttachCountryCodeForPhoneNumber(username, out username);

236 │ var user = \_dkkbDBContext.KskNguoiDangKy.FirstOrDefault(t => t.Username == username);

237 │ if (user == null)

238 │ {

239 │ return new ResponseModelError("Không tìm thấy thông tin người dùng");

240 │ }

241 │

242 │ user.Fcm = newFcm;

243 │ \_dkkbDBContext.SaveChanges();

244 │

245 │ return new ResponseModelSuccess("Cập nhật thành công");

246 │ }

247 │

248 │ [HttpPost("GetOTPByFCM")]

249 │ [APIKeyCheck]

250 │ public async Task<ResponseModel> GetOTPByFCM(

251 │ [FromForm] string phonenumber,

252 │ [FromForm] string fcm,

253 │ [FromForm] string forceRefresh = "0")

254 │ {

255 │ // Kiểm tra và format số điện thoại

256 │ if (phonenumber != null)

257 │ {

258 │ if (phonenumber.Length < 11)

259 │ {

260 │ AttachCountryCodeForPhoneNumber(phonenumber, out phonenumber);

261 │ }

262 │ if (phonenumber.Length > 11)

263 │ {

264 │ return new ResponseModelError("Số điện thoại bạn nhập vào không đúng định dạng!!...

265 │ }

266 │

267 │ // Kiểm tra số điện thoại đã đăng ký chưa và lấy thông tin người dùng

268 │ var user = new ksk\_NguoiDangKyModel(\_dkkbDBContext).GetItemByPhone(phonenumber);

269 │ if (user != null)

270 │ {

271 │

272 │ // Kiểm tra và cập nhật FCM nếu khác

273 │ try

274 │ {

275 │ // Cập nhật FCM nếu khác, nhưng không return khi có lỗi

276 │ if (!string.IsNullOrEmpty(fcm) && fcm != user.Fcm)

277 │ {

278 │ user.Fcm = fcm;

279 │ await \_dkkbDBContext.SaveChangesAsync();

280 │ // Có thể thêm logging ở đây nếu cần

281 │ }

282 │ }

283 │ catch (Exception ex)

284 │ {

285 │ // Log lỗi nhưng không return

286 │ // Logger.LogError($"Error updating FCM for phone {phonenumber}: {ex.Message}");

287 │ }

288 │

289 │ // Kiểm tra xem người dùng có FCM token không

290 │ if (string.IsNullOrEmpty(user.Fcm))

291 │ {

292 │ return new ResponseModelError("Vui lòng bật thông báo để nhận mã OTP!");

293 │ }

294 │

295 │ // Khởi tạo fcm\_otpmodel với các dependency cần thiết

296 │ var fcmOTPModel = new fcm\_otpmodel(\_dkkbDBContext, \_notificationService);

297 │

298 │ // Kiểm tra xem đã có OTP cho số điện thoại này chưa

299 │ var existingNotification = fcmOTPModel.GetItemByPhone(phonenumber);

300 │ if (existingNotification != null)

301 │ {

302 │ // Nếu yêu cầu refresh mã mới

303 │ if (forceRefresh == "1")

304 │ {

305 │ if (await fcmOTPModel.UpdateOTP(phonenumber, user.Fcm) == ActionStatus.Success.toInt())

306 │ {

307 │ return new ResponseModelSuccess("OTP đã được tạo lại thành công");

308 │ }

309 │ }

310 │

311 │ // Kiểm tra OTP cũ còn hạn không

312 │ if (!fcmOTPModel.CheckOTPNeedToRenew(phonenumber))

313 │ {

314 │ return new ResponseModel("Exist",

315 │ "Bạn vẫn còn mã OTP còn hạn sử dụng. Vui lòng sử dụng mã OTP đó!");

316 │ }

317 │

318 │ // Kiểm tra giới hạn số lần gửi OTP trong tháng

319 │ if (fcmOTPModel.CheckOTPLimit(phonenumber))

320 │ {

321 │ return new ResponseModelError(

322 │ "Bạn đã vượt số lần nhận mã OTP tối đa của tháng !!!");

323 │ }

324 │

325 │ // Cập nhật OTP mới

326 │ var updateResult = await fcmOTPModel.UpdateOTP(phonenumber, user.Fcm);

327 │ if (updateResult == ActionStatus.Success.toInt())

328 │ {

329 │ return new ResponseModelSuccess("OTP đã được tạo thành công");

330 │ }

331 │ }

332 │ else

333 │ {

334 │ // Tạo OTP mới nếu chưa tồn tại

335 │ var addResult = await fcmOTPModel.AddOTP(phonenumber, user.Fcm);

336 │ if (addResult == ActionStatus.Success.toInt())

337 │ {

338 │ return new ResponseModelSuccess("OTP đã được tạo thành công");

339 │ }

340 │ }

341 │ }

342 │ else

343 │ {

344 │ return new ResponseModelError("Số điện thoại chưa đăng kí");

345 │ }

346 │ }

347 │ return new ResponseModelError("Null");

348 │ }

349 │

350 │ [HttpPost("CheckOTPByFCM")]

351 │ [APIKeyCheck]

352 │ public ResponseModel CheckOTPByFCM(

353 │ [FromForm] string phonenumber,

354 │ [FromForm] string otp)

355 │ {

356 │ AttachCountryCodeForPhoneNumber(phonenumber, out phonenumber);

357 │ var fcmOTPModel = new fcm\_otpmodel(\_dkkbDBContext, \_notificationService);

358 │ if (fcmOTPModel.CheckOTPValid(phonenumber, otp))

359 │ {

360 │ // Thay vì trả về message rỗng, chúng ta trả về thông báo rõ ràng

361 │ return new ResponseModelSuccess("Xác thực OTP thành công!");

362 │ }

363 │ return new ResponseModelError("Mã OTP không đúng hoặc đã hết hạn");

364 │ }

365 │

366 │ }

367 │ }

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**📄 Base.cs (CS, 70 lines)**

1 │ ﻿using Microsoft.EntityFrameworkCore;

2 │ using System.Linq.Expressions;

3 │

4 │ namespace HISCustomerAPI.Models

5 │ {

6 │ public class Base<T> : IDisposable where T : class

7 │ {

8 │ protected readonly DbContext \_dbContext;

9 │ public Base(DbContext dbContext)

10 │ {

11 │ \_dbContext = dbContext;

12 │ }

13 │

14 │ public T First(Expression<Func<T, bool>> predicate)

15 │ {

16 │ try

17 │ {

18 │ return \_dbContext.Set<T>().First(predicate);

19 │ }

20 │ catch

21 │ {

22 │ return null;

23 │ }

24 │ }

25 │

26 │ public int Add(T item, bool isE = false)

27 │ {

28 │ try

29 │ {

30 │ \_dbContext.Set<T>().Add(item);

31 │ return \_dbContext.SaveChanges() > 0 ? 1 : 0;

32 │ }

33 │ catch (Exception e)

34 │ {

35 │ return -1;

36 │ }

37 │ }

38 │

39 │ public int Update(T item, bool isE = false, bool v = false)

40 │ {

41 │ try

42 │ {

43 │ \_dbContext.Set<T>().Update(item);

44 │ return \_dbContext.SaveChanges() > 0 ? 1 : 0;

45 │ }

46 │ catch

47 │ {

48 │ return -1;

49 │ }

50 │ }

51 │ public IQueryable<T> Get(Expression<Func<T, bool>> predicate)

52 │ {

53 │ return \_dbContext.Set<T>().Where(predicate);

54 │ }

55 │ public IQueryable<T> Get()

56 │ {

57 │ return \_dbContext.Set<T>().Where(t => true);

58 │ }

59 │

60 │ public bool Any(Expression<Func<T, bool>> predicate)

61 │ {

62 │ return \_dbContext.Set<T>().Any(predicate);

63 │ }

64 │

65 │ public void Dispose()

66 │ {

67 │ \_dbContext.Dispose();

68 │ }

69 │ }

70 │ }

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**📄 BhytLichSuGiaHan.cs (CS, 51 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class BhytLichSuGiaHan

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public string? MaTheBh { get; set; }

11 │

12 │ public DateTime? TuNgay { get; set; }

13 │

14 │ public DateTime? DenNgay { get; set; }

15 │

16 │ public string? DoiTuong { get; set; }

17 │

18 │ public decimal? TlmienGiam { get; set; }

19 │

20 │ public string? HoTen { get; set; }

21 │

22 │ public DateTime? NgaySinh { get; set; }

23 │

24 │ public int? GioiTinh { get; set; }

25 │

26 │ public string? DiaChi { get; set; }

27 │

28 │ public string? NoiDangKy { get; set; }

29 │

30 │ public Guid? MaPhuongXa { get; set; }

31 │

32 │ public Guid? MaQuanHuyen { get; set; }

33 │

34 │ public Guid? MaTinhThanh { get; set; }

35 │

36 │ public Guid? MaQuocGia { get; set; }

37 │

38 │ public Guid? UserCreated { get; set; }

39 │

40 │ public DateTime? CreatedDate { get; set; }

41 │

42 │ public Guid? UserModified { get; set; }

43 │

44 │ public DateTime? ModifiedDate { get; set; }

45 │

46 │ public bool? Deleted { get; set; }

47 │

48 │ public Guid? UserDeleted { get; set; }

49 │

50 │ public DateTime? DeletedDate { get; set; }

51 │ }

────────────────────────────────────────────────────────────

**📄 BidvQr.cs (CS, 47 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class BidvQr

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public int? SoTien { get; set; }

11 │

12 │ public string? NoiDung { get; set; }

13 │

14 │ public string? SoHoaDon { get; set; }

15 │

16 │ public int? LoaiHoaDon { get; set; }

17 │

18 │ public string? Qrdata { get; set; }

19 │

20 │ public int? TrangThai { get; set; }

21 │

22 │ public DateTime? CreatedDate { get; set; }

23 │

24 │ public Guid? UserModified { get; set; }

25 │

26 │ public DateTime? ModifiedDate { get; set; }

27 │

28 │ public bool? Deleted { get; set; }

29 │

30 │ public Guid? UserDeleted { get; set; }

31 │

32 │ public DateTime? DeletedDate { get; set; }

33 │

34 │ public Guid? MaTiepNhan { get; set; }

35 │

36 │ public Guid? MaBenhNhan { get; set; }

37 │

38 │ public DateTime? NgayThu { get; set; }

39 │

40 │ public decimal? MienGiam { get; set; }

41 │

42 │ public int? LoaiPhieuThu { get; set; }

43 │

44 │ public Guid? MaHopDong { get; set; }

45 │

46 │ public Guid? MaPhieuDeNghiTamUng { get; set; }

47 │ }

────────────────────────────────────────────────────────────

**📄 BnChiTietDanhGia.cs (CS, 33 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.EntityDKKB;

5 │

6 │ public partial class BnChiTietDanhGia

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaDanhGia { get; set; }

11 │

12 │ public Guid? MaChiTietDanhMucDanhGia { get; set; }

13 │

14 │ public string? TenNoiDung { get; set; }

15 │

16 │ public string? MoTa { get; set; }

17 │

18 │ public int? KieuDuLieu { get; set; }

19 │

20 │ public Guid? MaDanhMucCauTraLoi { get; set; }

21 │

22 │ public string? CauTraLoi { get; set; }

23 │

24 │ public bool? KetLuan { get; set; }

25 │

26 │ public Guid? ParentId { get; set; }

27 │

28 │ public Guid? UserCreated { get; set; }

29 │

30 │ public DateTime? CreatedDate { get; set; }

31 │

32 │ public string? MaCauTraLoi { get; set; }

33 │ }

────────────────────────────────────────────────────────────

**📄 BnDanhGia.cs (CS, 15 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.EntityDKKB;

5 │

6 │ public partial class BnDanhGia

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaTiepNhan { get; set; }

11 │

12 │ public DateTime? NgayGioDanhGia { get; set; }

13 │

14 │ public Guid? MaDanhMucDanhGia { get; set; }

15 │ }

────────────────────────────────────────────────────────────

**📄 BnkskChiTietHopDong.cs (CS, 39 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.EntityDKKB;

5 │

6 │ public partial class BnkskChiTietHopDong

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public string? Code { get; set; }

11 │

12 │ public Guid? MaHopDong { get; set; }

13 │

14 │ public Guid? MaBenhNhan { get; set; }

15 │

16 │ public Guid? MaTiepNhan { get; set; }

17 │

18 │ public DateTime? NgayKham { get; set; }

19 │

20 │ public Guid? MaBacSi { get; set; }

21 │

22 │ public int? SoTt { get; set; }

23 │

24 │ public string? KetLuan { get; set; }

25 │

26 │ public Guid? UserCreated { get; set; }

27 │

28 │ public DateTime? CreatedDate { get; set; }

29 │

30 │ public Guid? UserModified { get; set; }

31 │

32 │ public DateTime? ModifiedDate { get; set; }

33 │

34 │ public bool? Deleted { get; set; }

35 │

36 │ public Guid? UserDeleted { get; set; }

37 │

38 │ public DateTime? DeletedDate { get; set; }

39 │ }

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**📄 BnkskHopDong.cs (CS, 45 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.EntityDKKB;

5 │

6 │ public partial class BnkskHopDong

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? GuiId { get; set; }

11 │

12 │ public string? SoHopDong { get; set; }

13 │

14 │ public DateTime? NgayHopDong { get; set; }

15 │

16 │ public Guid? MaCongTy { get; set; }

17 │

18 │ public decimal? GiaTri { get; set; }

19 │

20 │ public decimal? TamUng { get; set; }

21 │

22 │ public DateTime? NgayHieuLuc { get; set; }

23 │

24 │ public DateTime? NgayHetHan { get; set; }

25 │

26 │ public string? GhiChu { get; set; }

27 │

28 │ public int? TrangThai { get; set; }

29 │

30 │ public bool? Status { get; set; }

31 │

32 │ public Guid? UserCreated { get; set; }

33 │

34 │ public DateTime? CreatedDate { get; set; }

35 │

36 │ public Guid? UserModified { get; set; }

37 │

38 │ public DateTime? ModifiedDate { get; set; }

39 │

40 │ public bool? Deleted { get; set; }

41 │

42 │ public Guid? UserDeleted { get; set; }

43 │

44 │ public DateTime? DeletedDate { get; set; }

45 │ }

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**📄 Cast.cs (CS, 139 lines)**

1 │ ﻿using System.Reflection;

2 │

3 │ namespace HISCustomerAPI.Common

4 │ {

5 │ public static class Cast

6 │ {

7 │ public static string ToString(object? o)

8 │ {

9 │ return (o ?? "").ToString() ?? "";

10 │ }

11 │

12 │ public static byte ToByte(object? o)

13 │ {

14 │ byte result = 0;

15 │ if (!Utility.IsNull(o))

16 │ {

17 │ byte.TryParse(o.ToString(), out result);

18 │ }

19 │ return result;

20 │ }

21 │

22 │ public static int ToInt(object? o)

23 │ {

24 │ return (int)ToDouble(o);

25 │ }

26 │

27 │ public static float ToFloat(object? o)

28 │ {

29 │ float result = 0f;

30 │ if (!Utility.IsNull(o))

31 │ {

32 │ float.TryParse(o.ToString(), out result);

33 │ }

34 │ return result;

35 │ }

36 │

37 │ public static double ToDouble(object? o)

38 │ {

39 │ double result = 0.0;

40 │ if (!Utility.IsNull(o))

41 │ {

42 │ double.TryParse(o.ToString(), out result);

43 │ }

44 │ return result;

45 │ }

46 │

47 │ public static decimal ToDecimal(object? o)

48 │ {

49 │ decimal result = 0m;

50 │ if (!Utility.IsNull(o))

51 │ {

52 │ decimal.TryParse(o.ToString(), out result);

53 │ }

54 │ return result;

55 │ }

56 │

57 │ public static bool ToBoolean(object? o)

58 │ {

59 │ bool result = false;

60 │ if (!Utility.IsNull(o))

61 │ {

6 │ public partial class KcbNgoaiTruVienPhi

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public string? MaPhieuDvkt { get; set; }

11 │

12 │ public string? Code { get; set; }

13 │

14 │ public Guid? MaTiepNhan { get; set; }

15 │

16 │ public Guid? MaPhongBan { get; set; }

17 │

18 │ public Guid? MaThongTinKham { get; set; }

19 │

20 │ public Guid? MaPhongKhamChiDinh { get; set; }

21 │

22 │ public Guid? MaPhongKhamThucHien { get; set; }

23 │

24 │ public DateTime? NgayThucHien { get; set; }

25 │

26 │ public Guid? MaDichVu { get; set; }

27 │

28 │ public Guid? MaGoiDichVu { get; set; }

29 │

30 │ public Guid? MaChiTietPhacDoTiemChung { get; set; }

31 │

32 │ public bool? DichVuChiDinhTuTiepNhan { get; set; }

33 │

34 │ public decimal? SoLuong { get; set; }

35 │

36 │ public decimal? DonGia { get; set; }

37 │

38 │ public decimal? DonGiaBh { get; set; }

39 │

40 │ public decimal? DonGiaBhthanhToan { get; set; }

41 │

42 │ public decimal? ThanhTien { get; set; }

43 │

44 │ public decimal? ThanhTienBh { get; set; }

45 │

46 │ public decimal? GiamGia { get; set; }

47 │

48 │ public decimal? ChietKhauKm { get; set; }

49 │

50 │ public Guid? MaKm { get; set; }

51 │

52 │ public Guid? MaNhanVienBanHang { get; set; }

53 │

54 │ public bool? TraSau { get; set; }

55 │

56 │ public decimal? TlmienGiam { get; set; }

57 │

58 │ public int? MaLoaiDoiTuong { get; set; }

59 │

60 │ public decimal? DaTamUng { get; set; }

61 │

62 │ public decimal? DaThanhToan { get; set; }

63 │

64 │ public bool? DaThucHien { get; set; }

65 │

66 │ public int? HinhThucTt { get; set; }

67 │

68 │ public Guid? MaTaiKhoan { get; set; }

69 │

70 │ public Guid? MaBacSiThucHien { get; set; }

71 │

72 │ public Guid? MaDieuDuongThucHien { get; set; }

73 │

74 │ public int? TrangThai { get; set; }

75 │

76 │ public Guid? MaPhieuXuatKho { get; set; }

77 │

78 │ public bool? WorkList { get; set; }

79 │

80 │ public Guid? MaGiuongBenh { get; set; }

81 │

82 │ public Guid? MaLichSuGiuongBenh { get; set; }

83 │

84 │ public Guid? MaChiTietCongKhaiGiuong { get; set; }

85 │

86 │ public Guid? MaDatSuatAn { get; set; }

87 │

88 │ public decimal? TiLeMienGiamLan1 { get; set; }

89 │

90 │ public decimal? TiLeMienGiamLan2 { get; set; }

91 │

92 │ public Guid? MaQuayTiepNhan { get; set; }

93 │

94 │ public DateTime? NgayGioTiepNhan { get; set; }

95 │

96 │ public DateTime? NgayGioGoiKham { get; set; }

97 │

98 │ public string? SoTt { get; set; }

99 │

100 │ public string? GhiChu { get; set; }

101 │

102 │ public decimal? PhuCapBacSi01 { get; set; }

103 │

104 │ public decimal? PhuCapBacSi02 { get; set; }

105 │

106 │ public decimal? PhuCapBacSi03 { get; set; }

107 │

108 │ public decimal? PhuCapBacSi04 { get; set; }

109 │

110 │ public decimal? PhuCapKtv01 { get; set; }

111 │

112 │ public decimal? PhuCapKtv02 { get; set; }

113 │

114 │ public decimal? PhuCapKtv03 { get; set; }

115 │

116 │ public decimal? PhuCapKtv04 { get; set; }

117 │

118 │ public decimal? PhuCapKtv05 { get; set; }

119 │

120 │ public decimal? PhuCapSale { get; set; }

121 │

122 │ public Guid? MaPhongBanThucHien { get; set; }

123 │

124 │ public string? SoMui { get; set; }

125 │

126 │ public Guid? MaDatMua { get; set; }

127 │

128 │ public Guid? UserCreated { get; set; }

129 │

130 │ public DateTime? CreatedDate { get; set; }

131 │

132 │ public Guid? UserModified { get; set; }

133 │

134 │ public DateTime? ModifiedDate { get; set; }

135 │

136 │ public bool? Deleted { get; set; }

137 │

138 │ public Guid? UserDeleted { get; set; }

139 │

140 │ public DateTime? DeletedDate { get; set; }

141 │

142 │ public Guid? MaVatTu { get; set; }

143 │

144 │ public Guid? MaThucHienYlenh { get; set; }

145 │

146 │ public DateTime? NgayHenTraKetQua { get; set; }

147 │

148 │ public Guid? MaPhuCap { get; set; }

149 │

150 │ public DateTime? NgayGioBatDau { get; set; }

151 │

152 │ public DateTime? NgayGioKetThuc { get; set; }

153 │

154 │ public bool? DaHoanTra { get; set; }

155 │

156 │ public decimal? SoLuongGio { get; set; }

157 │

158 │ public Guid? MaNguoiThucHienDayCong { get; set; }

159 │

160 │ public Guid? MaTaiXe { get; set; }

161 │

162 │ public Guid? MaPhongBanChiDinhThem { get; set; }

163 │

164 │ public DateTime? NgayYlenhGuiCong { get; set; }

165 │

166 │ public DateTime? NgayThucHienGuiCong { get; set; }

167 │

168 │ public Guid? MaDieuDuongGuiCong { get; set; }

169 │

170 │ public Guid? MaBacSiGuiCong { get; set; }

171 │

172 │ public DateTime? NgayKqGuiCong { get; set; }

173 │

174 │ public Guid? MaBacSiChiDinhThem { get; set; }

175 │

176 │ public Guid? MaKvt2 { get; set; }

177 │

178 │ public Guid? MaKtv3 { get; set; }

179 │

180 │ public bool? DaChiDinhPacs { get; set; }

181 │ }

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**📄 KcbPhieuPhauThuatThuThuat.cs (CS, 109 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbPhieuPhauThuatThuThuat

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public string? SoLuuTru { get; set; }

11 │

12 │ public Guid? MaTiepNhan { get; set; }

13 │

14 │ public Guid? MaThongTinKham { get; set; }

15 │

16 │ public Guid? MaBenhNhan { get; set; }

17 │

18 │ public Guid? MaPhongBan { get; set; }

19 │

20 │ public Guid? MaPhongKhamThucHien { get; set; }

21 │

22 │ public Guid? MaNgoaiTruVienPhi { get; set; }

23 │

24 │ public Guid? MaDichVu { get; set; }

25 │

26 │ public DateTime? NgayGioThucHien { get; set; }

27 │

28 │ public DateTime? NgayGioKetThuc { get; set; }

29 │

30 │ public Guid? IcdChanDoanTruoc { get; set; }

31 │

32 │ public Guid? IcdChanDoanSau { get; set; }

33 │

34 │ public Guid? PhuongPhapThucHien { get; set; }

35 │

36 │ public int? Loai { get; set; }

37 │

38 │ public Guid? PhuongPhapVoCam { get; set; }

39 │

40 │ public Guid? MaBacSiThucHien { get; set; }

41 │

42 │ public Guid? MaBacSiGayMe { get; set; }

43 │

44 │ public Guid? MaBacSiHoiChan { get; set; }

45 │

46 │ public Guid? GayMe1 { get; set; }

47 │

48 │ public Guid? GayMe2 { get; set; }

49 │

50 │ public Guid? PhuMo1 { get; set; }

51 │

52 │ public Guid? PhuMo2 { get; set; }

53 │

54 │ public Guid? DungCuVongNgoai { get; set; }

55 │

56 │ public Guid? DungCuVongTrong { get; set; }

57 │

58 │ public string? LuocDo { get; set; }

59 │

60 │ public string? TrinhTu { get; set; }

61 │

62 │ public string? LuongMauMat { get; set; }

63 │

64 │ public string? SoMaubenhPham { get; set; }

65 │

66 │ public string? SoDangKyThietBi { get; set; }

67 │

68 │ public string? LoiDan { get; set; }

69 │

70 │ public string? ChanDoanTruoc { get; set; }

71 │

72 │ public string? ChanDoanSau { get; set; }

73 │

74 │ public Guid? UserCreated { get; set; }

75 │

76 │ public DateTime? CreatedDate { get; set; }

77 │

78 │ public Guid? UserModified { get; set; }

79 │

80 │ public DateTime? ModifiedDate { get; set; }

81 │

82 │ public bool? Deleted { get; set; }

83 │

84 │ public Guid? UserDeleted { get; set; }

85 │

86 │ public DateTime? DeletedDate { get; set; }

87 │

88 │ public DateTime? NgayBacSiKy { get; set; }

89 │

90 │ public Guid? MaTruongKhoa { get; set; }

91 │

92 │ public DateTime? NgayTruongKhoaKy { get; set; }

93 │

94 │ public Guid? MaThuTruong { get; set; }

95 │

96 │ public DateTime? NgayThuTruongKy { get; set; }

97 │

98 │ public string? FilePath { get; set; }

99 │

100 │ public string? FilePathChungNhanPt { get; set; }

101 │

102 │ public string? HinhAnh { get; set; }

103 │

104 │ public bool? DaXacNhanThucHien { get; set; }

105 │

106 │ public Guid? NguoiXacNhan { get; set; }

107 │

108 │ public DateTime? NgayXacNhan { get; set; }

109 │ }

────────────────────────────────────────────────────────────

**📄 KcbPhuongPhapVoCam.cs (CS, 31 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbPhuongPhapVoCam

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public string? Ten { get; set; }

11 │

12 │ public string? NoiDung { get; set; }

13 │

14 │ public bool? Status { get; set; }

15 │

16 │ public Guid? UserCreated { get; set; }

17 │

18 │ public DateTime? CreatedDate { get; set; }

19 │

20 │ public Guid? UserModified { get; set; }

21 │

22 │ public DateTime? ModifiedDate { get; set; }

23 │

24 │ public bool? Deleted { get; set; }

25 │

26 │ public Guid? UserDeleted { get; set; }

27 │

28 │ public DateTime? DeletedDate { get; set; }

29 │

30 │ public string? MaBhyt { get; set; }

31 │ }

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**📄 KcbTheBhyttam.cs (CS, 13 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbTheBhyttam

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public string? Code { get; set; }

11 │

12 │ public int? SoThe { get; set; }

13 │ }

────────────────────────────────────────────────────────────

**📄 KcbThongTinChuyenKhoa.cs (CS, 117 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbThongTinChuyenKhoa

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaTiepNhan { get; set; }

11 │

12 │ public Guid? MaThongTinKham { get; set; }

13 │

14 │ public Guid? MaBenhNhan { get; set; }

15 │

16 │ public Guid? KhoaDangDieuTri { get; set; }

17 │

18 │ public DateTime? NgayGioChuyen { get; set; }

19 │

20 │ public Guid? BacSiChiDinh { get; set; }

21 │

22 │ public DateTime? TuNgay { get; set; }

23 │

24 │ public DateTime? DenNgay { get; set; }

25 │

26 │ public int? SoNgay { get; set; }

27 │

28 │ public Guid? ChuyenDenKhoa { get; set; }

29 │

30 │ public string? LyDoChuyen { get; set; }

31 │

32 │ public bool? ChuyenTheoYeuCauBn { get; set; }

33 │

34 │ public Guid? MaIcd { get; set; }

35 │

36 │ public int? TinhTrangNguoiBenh { get; set; }

37 │

38 │ public int? MucDoTinhTao { get; set; }

39 │

40 │ public int? ThangDiemDau { get; set; }

41 │

42 │ public int? NguyCoTeNga { get; set; }

43 │

44 │ public string? DiUng { get; set; }

45 │

46 │ public DateTime? NgayDatTruyenTmngoaiBien { get; set; }

47 │

48 │ public DateTime? NgayDatTruyenTmtrungTam { get; set; }

49 │

50 │ public DateTime? NgayDatTruyenDongMach { get; set; }

51 │

52 │ public DateTime? NgayDatOngThongTieu { get; set; }

53 │

54 │ public DateTime? NgayDatDanLuu { get; set; }

55 │

56 │ public string? NoiDat { get; set; }

57 │

58 │ public string? NoiDat1 { get; set; }

59 │

60 │ public string? NoiDat2 { get; set; }

61 │

62 │ public string? Khac { get; set; }

63 │

64 │ public double? LieuThoOxy { get; set; }

65 │

66 │ public string? LoetDaDoTiDe { get; set; }

67 │

68 │ public string? BangVetThuong { get; set; }

69 │

70 │ public DateTime? NgayCatChi { get; set; }

71 │

72 │ public int? DinhDuong { get; set; }

73 │

74 │ public int? VanDong { get; set; }

75 │

76 │ public int? BaiTiet { get; set; }

77 │

78 │ public DateTime? ThuocDieuTriTrongNgay { get; set; }

79 │

80 │ public DateTime? ThuocSuDungTiep { get; set; }

81 │

82 │ public int? TaiLieuBanGiao { get; set; }

83 │

84 │ public Guid? DieuDuongKhoaChuyen { get; set; }

85 │

86 │ public Guid? DieuDuongKhoaNhan { get; set; }

87 │

88 │ public decimal? Mach { get; set; }

89 │

90 │ public decimal? NhipTho { get; set; }

91 │

92 │ public decimal? NhietDo { get; set; }

93 │

94 │ public decimal? HuyetApTamThu { get; set; }

95 │

96 │ public decimal? HuyetApTamTruong { get; set; }

97 │

98 │ public decimal? SpO2 { get; set; }

99 │

100 │ public Guid? UserCreated { get; set; }

101 │

102 │ public DateTime? CreatedDate { get; set; }

103 │

104 │ public Guid? UserModified { get; set; }

105 │

106 │ public DateTime? ModifiedDate { get; set; }

107 │

108 │ public bool? Deleted { get; set; }

109 │

110 │ public Guid? UserDeleted { get; set; }

111 │

112 │ public DateTime? DeletedDate { get; set; }

113 │

114 │ public DateTime? NgayDieuDuongChuyenKy { get; set; }

115 │

116 │ public DateTime? NgayDieuDuongNhanKy { get; set; }

117 │ }

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**📄 KcbThongTinKham.cs (CS, 199 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbThongTinKham

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaTiepNhan { get; set; }

11 │

12 │ public string? Code { get; set; }

13 │

14 │ public Guid? MaPhongBan { get; set; }

15 │

16 │ public Guid? MaPhongKham { get; set; }

17 │

18 │ public string? Stt { get; set; }

19 │

20 │ public DateTime? NgayTiepNhan { get; set; }

21 │

22 │ public DateTime? NgayGioKham { get; set; }

23 │

24 │ public DateTime? NgayGioKetThucKham { get; set; }

25 │

26 │ public DateTime? NgayNhapVien { get; set; }

27 │

28 │ public string? DienBienBenh { get; set; }

29 │

30 │ public Guid? MaIcd { get; set; }

31 │

32 │ public Guid? MaIcdphu { get; set; }

33 │

34 │ public string? TenBenhChinh { get; set; }

35 │

36 │ public string? TenBenhPhu { get; set; }

37 │

38 │ public Guid? MaBenhPhu { get; set; }

39 │

40 │ public string? BenhPhu { get; set; }

41 │

42 │ public decimal? Mach { get; set; }

43 │

44 │ public decimal? NhipTho { get; set; }

45 │

46 │ public decimal? NhietDo { get; set; }

47 │

48 │ public decimal? HuyetApTamThu { get; set; }

49 │

50 │ public decimal? HuyetApTamTruong { get; set; }

51 │

52 │ public decimal? CanNang { get; set; }

53 │

54 │ public decimal? DuongHuyet { get; set; }

55 │

56 │ public decimal? ChieuCao { get; set; }

57 │

58 │ public decimal? HbA1c { get; set; }

59 │

60 │ public int? SoNgayConThuoc { get; set; }

61 │

62 │ public DateTime? NgayKhamTruoc { get; set; }

63 │

64 │ public string? GhiChu { get; set; }

65 │

66 │ public Guid? MaBacSi { get; set; }

67 │

68 │ public Guid? MaDieuDuong { get; set; }

69 │

70 │ public Guid? MaPhongKhamChuyenDen { get; set; }

71 │

72 │ public Guid? MaBenhVienChuyenDen { get; set; }

73 │

74 │ public DateTime? NgayChuyenVien { get; set; }

75 │

76 │ public Guid? MaKhoaChuyenDen { get; set; }

77 │

78 │ public string? BenhKemTheo { get; set; }

79 │

80 │ public string? DauHieuLamSang { get; set; }

81 │

82 │ public string? KetQuaCls { get; set; }

83 │

84 │ public string? DieuTriKhac { get; set; }

85 │

86 │ public string? TinhTrangBenhNhan { get; set; }

87 │

88 │ public Guid? MaLyDoChuyenVien { get; set; }

89 │

90 │ public string? HuongDieuTri { get; set; }

91 │

92 │ public Guid? MaPhuongTienChuyenVien { get; set; }

93 │

94 │ public string? PhuongTienChuyenVien { get; set; }

95 │

96 │ public string? ThanNhan { get; set; }

97 │

98 │ public Guid? NguoiHoTong { get; set; }

99 │

100 │ public string? SoLuTru { get; set; }

101 │

102 │ public bool? NhapVien { get; set; }

103 │

104 │ public Guid? MaTiepNhanNhapVien { get; set; }

105 │

106 │ public Guid? MaKhoaNhapVien { get; set; }

107 │

108 │ public string? SoVaoVien { get; set; }

109 │

110 │ public Guid? MaThongTinKhamTruoc { get; set; }

111 │

112 │ public DateTime? NgayHen { get; set; }

113 │

114 │ public int? TrangThai { get; set; }

115 │

116 │ public bool? DuDieuKienTiemChung { get; set; }

117 │

118 │ public int? MaCheDoChamSoc { get; set; }

119 │

120 │ public string? GiaiDoanBenh { get; set; }

121 │

122 │ public string? Ylenh { get; set; }

123 │

124 │ public string? KhuyetTat { get; set; }

125 │

126 │ public Guid? MaLoaiThongTinKham { get; set; }

127 │

128 │ public bool? TiemPhongDai { get; set; }

129 │

130 │ public Guid? UserCreated { get; set; }

131 │

132 │ public DateTime? CreatedDate { get; set; }

133 │

134 │ public Guid? UserModified { get; set; }

135 │

136 │ public DateTime? ModifiedDate { get; set; }

137 │

138 │ public bool? Deleted { get; set; }

139 │

140 │ public Guid? UserDeleted { get; set; }

141 │

142 │ public DateTime? DeletedDate { get; set; }

143 │

144 │ public Guid? MaTruongKhoa { get; set; }

145 │

146 │ public int? MangThai { get; set; }

147 │

148 │ public bool? DangChoConBu { get; set; }

149 │

150 │ public DateTime? NgayTruongKhoaKy { get; set; }

151 │

152 │ public string? GhiChuDuongHuyet { get; set; }

153 │

154 │ public DateTime? NgayBacSiDieuTriKy { get; set; }

155 │

156 │ public DateTime? NgayThuTruongKy { get; set; }

157 │

158 │ public Guid? ThuTruongDonVi { get; set; }

159 │

160 │ public string? FilePathChuyenVien { get; set; }

161 │

162 │ public DateTime? NgayBsKyPhieuDvkt { get; set; }

163 │

164 │ public string? FilePathPhieuDvkt { get; set; }

165 │

166 │ public int? TuanMangThai { get; set; }

167 │

168 │ public decimal? CanNangLan2 { get; set; }

169 │

170 │ public Guid? MaVienPhiNgoaiTru { get; set; }

171 │

172 │ public decimal? TlsauLoc { get; set; }

173 │

174 │ public decimal? Tlrut { get; set; }

175 │

176 │ public decimal? ThoiGianLoc { get; set; }

177 │

178 │ public string? KhangDong { get; set; }

179 │

180 │ public decimal? LuongDichThayThe { get; set; }

181 │

182 │ public int? MaySo { get; set; }

183 │

184 │ public int? LoaiMangLoc { get; set; }

185 │

186 │ public int? LanSuDung { get; set; }

187 │

188 │ public Guid? MaTaiXe { get; set; }

189 │

190 │ public Guid? MaXeCapCuu { get; set; }

191 │

192 │ public Guid? MaBacSiGuiCong { get; set; }

193 │

194 │ public Guid? MaIcdChinhGuiCong { get; set; }

195 │

196 │ public string? TenBenhChinhGuiCong { get; set; }

197 │

198 │ public DateTime? NgayYlenhGuiCong { get; set; }

199 │ }

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**📄 KcbThongTinNhapVien.cs (CS, 67 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbThongTinNhapVien

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaBenhNhan { get; set; }

11 │

12 │ public Guid? MaTiepNhan { get; set; }

13 │

14 │ public Guid? MaThongTinKham { get; set; }

15 │

16 │ public DateTime? NgayNhapVien { get; set; }

17 │

18 │ public int? HinhThucGioiThieu { get; set; }

19 │

20 │ public Guid? MaKhoaPhongTiepNhan { get; set; }

21 │

22 │ public Guid? MaBacSiTiepNhan { get; set; }

23 │

24 │ public Guid? HinhThucNhapVien { get; set; }

25 │

26 │ public Guid? MaIcdnhapVien { get; set; }

27 │

28 │ public string? BenhPhu { get; set; }

29 │

30 │ public string? LyDoNhapVien { get; set; }

31 │

32 │ public string? QuaTrinhBenhLy { get; set; }

33 │

34 │ public string? TienSuBenh { get; set; }

35 │

36 │ public string? TienSuGiaDinh { get; set; }

37 │

38 │ public string? ToanThan { get; set; }

39 │

40 │ public string? CacBoPhan { get; set; }

41 │

42 │ public string? TomTatKetQuaLamSang { get; set; }

43 │

44 │ public string? ChuanDoanVaoVien { get; set; }

45 │

46 │ public string? DaXuLy { get; set; }

47 │

48 │ public string? ChuY { get; set; }

49 │

50 │ public Guid? MaBacSi { get; set; }

51 │

52 │ public bool? KhongNhapVien { get; set; }

53 │

54 │ public Guid? UserCreated { get; set; }

55 │

56 │ public DateTime? CreatedDate { get; set; }

57 │

58 │ public Guid? UserModified { get; set; }

59 │

60 │ public DateTime? ModifiedDate { get; set; }

61 │

62 │ public bool? Deleted { get; set; }

63 │

64 │ public Guid? UserDeleted { get; set; }

65 │

66 │ public DateTime? DeletedDate { get; set; }

67 │ }

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**📄 KcbThongTinTaiNan.cs (CS, 81 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbThongTinTaiNan

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaBenhNhan { get; set; }

11 │

12 │ public Guid? MaTiepNhan { get; set; }

13 │

14 │ public Guid? MaNgheNgiep { get; set; }

15 │

16 │ public Guid? MaDiaDiem { get; set; }

17 │

18 │ public Guid? MaBoPhanBiThuong { get; set; }

19 │

20 │ public Guid? MaNguyenNhan { get; set; }

21 │

22 │ public Guid? MaDieuTriBanDau { get; set; }

23 │

24 │ public Guid? MaDienBien { get; set; }

25 │

26 │ public Guid? MaXuLy { get; set; }

27 │

28 │ public DateTime? ThoiGianTaiNan { get; set; }

29 │

30 │ public string? NoiTaiNan { get; set; }

31 │

32 │ public Guid? MaTinh { get; set; }

33 │

34 │ public Guid? MaHuyen { get; set; }

35 │

36 │ public Guid? MaXa { get; set; }

37 │

38 │ public string? LyDoVaoVien { get; set; }

39 │

40 │ public string? ChanDoan { get; set; }

41 │

42 │ public string? DieuTri { get; set; }

43 │

44 │ public string? TinhTrangVaoVien { get; set; }

45 │

46 │ public string? TinhTrangRaVien { get; set; }

47 │

48 │ public bool? XacNhanCoQuan { get; set; }

49 │

50 │ public bool? NongDoCon { get; set; }

51 │

52 │ public bool? DoiMuBaoHiem { get; set; }

53 │

54 │ public bool? DuongTinhMaTuy { get; set; }

55 │

56 │ public bool? ChanThuongSoNao { get; set; }

57 │

58 │ public bool? ChanThuongCotSong { get; set; }

59 │

60 │ public Guid? MaChanThuong { get; set; }

61 │

62 │ public bool? CoXetNghiemNongDoCon { get; set; }

63 │

64 │ public bool? CoNongDoConTrongMau { get; set; }

65 │

66 │ public decimal? NongDo { get; set; }

67 │

68 │ public Guid? UserCreated { get; set; }

69 │

70 │ public DateTime? CreatedDate { get; set; }

71 │

72 │ public Guid? UserModified { get; set; }

73 │

74 │ public DateTime? ModifiedDate { get; set; }

75 │

76 │ public bool? Deleted { get; set; }

77 │

78 │ public Guid? UserDeleted { get; set; }

79 │

80 │ public DateTime? DeletedDate { get; set; }

81 │ }

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**📄 KcbThucHienDvkt.cs (CS, 101 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbThucHienDvkt

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaTiepNhan { get; set; }

11 │

12 │ public Guid? MaThongTinKham { get; set; }

13 │

14 │ public Guid? MaBenhNhan { get; set; }

15 │

16 │ public Guid? MaNgoaiTruVienPhi { get; set; }

17 │

18 │ public Guid? MaNoiTruVienPhi { get; set; }

19 │

20 │ public Guid? MaChiTiectPhacDoTiemChungBenhNhan { get; set; }

21 │

22 │ public Guid? MaDichVu { get; set; }

23 │

24 │ public int? SoLuong { get; set; }

25 │

26 │ public Guid? MaPhongBan { get; set; }

27 │

28 │ public Guid? MaPhongKhamThucHien { get; set; }

29 │

30 │ public DateTime? NgayGioThucHien { get; set; }

31 │

32 │ public Guid? MaBacSi01 { get; set; }

33 │

34 │ public Guid? MaBacSi02 { get; set; }

35 │

36 │ public Guid? MaBacSi03 { get; set; }

37 │

38 │ public Guid? MaBacSi04 { get; set; }

39 │

40 │ public Guid? MaKtv01 { get; set; }

41 │

42 │ public Guid? MaKtv02 { get; set; }

43 │

44 │ public Guid? MaKtv03 { get; set; }

45 │

46 │ public Guid? MaKtv04 { get; set; }

47 │

48 │ public Guid? MaKtv05 { get; set; }

49 │

50 │ public Guid? MaNhanVienSale { get; set; }

51 │

52 │ public int? TrangThai { get; set; }

53 │

54 │ public string? GhiChu { get; set; }

55 │

56 │ public Guid? MaPhieuXuatVtth { get; set; }

57 │

58 │ public string? PhanUngKhac { get; set; }

59 │

60 │ public decimal? NhietDo { get; set; }

61 │

62 │ public string? XuLy { get; set; }

63 │

64 │ public int? VeTruocHan { get; set; }

65 │

66 │ public string? CamKetVeTruocHan { get; set; }

67 │

68 │ public string? NoiDung { get; set; }

69 │

70 │ public string? ChiSoDieuTri { get; set; }

71 │

72 │ public int? SoLanDieuTri { get; set; }

73 │

74 │ public int? KetQua { get; set; }

75 │

76 │ public string? KetLuan { get; set; }

77 │

78 │ public string? HinhAnh { get; set; }

79 │

80 │ public Guid? MaPhieuPhauThuatThuThuat { get; set; }

81 │

82 │ public Guid? UserCreated { get; set; }

83 │

84 │ public DateTime? CreatedDate { get; set; }

85 │

86 │ public Guid? UserModified { get; set; }

87 │

88 │ public DateTime? ModifiedDate { get; set; }

89 │

90 │ public bool? Deleted { get; set; }

91 │

92 │ public Guid? UserDeleted { get; set; }

93 │

94 │ public DateTime? DeletedDate { get; set; }

95 │

96 │ public string? ChuKyBenhNhan { get; set; }

97 │

98 │ public DateTime? NgayBenhNhanXacNhan { get; set; }

99 │

100 │ public DateTime? NgayNhacGoi { get; set; }

101 │ }

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**📄 KcbTiepNhan.cs (CS, 231 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbTiepNhan

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public int? MaLoaiTiepNhan { get; set; }

11 │

12 │ public Guid? MaBenhNhan { get; set; }

13 │

14 │ public int? Tuoi { get; set; }

15 │

16 │ public int? ThangTuoi { get; set; }

17 │

18 │ public int? NgayTuoi { get; set; }

19 │

20 │ public string? NguoiLienHe { get; set; }

21 │

22 │ public int? MaQuanHe { get; set; }

23 │

24 │ public string? CccdnguoiLienHe { get; set; }

25 │

26 │ public string? SoTheBhyt { get; set; }

27 │

28 │ public bool? TheTam { get; set; }

29 │

30 │ public decimal? TiLeMienGiam { get; set; }

31 │

32 │ public Guid? DoiTuongBh { get; set; }

33 │

34 │ public DateTime? ThoiHanBatDauBh { get; set; }

35 │

36 │ public DateTime? ThoiHanKetThucBh { get; set; }

37 │

38 │ public string? NoiDkbh { get; set; }

39 │

40 │ public bool? DungTuyen { get; set; }

41 │

42 │ public bool? ThongTinBh { get; set; }

43 │

44 │ public bool? KsdtheBh { get; set; }

45 │

46 │ public bool? MienCct { get; set; }

47 │

48 │ public int? MaLoaiDoiTuong { get; set; }

49 │

50 │ public DateTime? NgayTiepNhan { get; set; }

51 │

52 │ public Guid? MaDichVu { get; set; }

53 │

54 │ public Guid? MaPhongKham { get; set; }

55 │

56 │ public Guid? MaCongKham { get; set; }

57 │

58 │ public bool? CapCuu { get; set; }

59 │

60 │ public bool? UuTien { get; set; }

61 │

62 │ public bool? TraSau { get; set; }

63 │

64 │ public string? SoThuTu { get; set; }

65 │

66 │ public Guid? MaLuuTru { get; set; }

67 │

68 │ public Guid? MaVaoVien { get; set; }

69 │

70 │ public Guid? MaNhanVien { get; set; }

71 │

72 │ public int? TrangThai { get; set; }

73 │

74 │ public decimal? MaDieuTri { get; set; }

75 │

76 │ public DateTime? NgayNhapVien { get; set; }

77 │

78 │ public Guid? HinhThucGioiThieu { get; set; }

79 │

80 │ public Guid? HinhThucNhapVien { get; set; }

81 │

82 │ public Guid? KhoaNhapVien { get; set; }

83 │

84 │ public Guid? MaIcdnhapVien { get; set; }

85 │

86 │ public string? BenhPhu { get; set; }

87 │

88 │ public string? LyDoNhapVien { get; set; }

89 │

90 │ public Guid? MaNgheNghiep { get; set; }

91 │

92 │ public Guid? MaDiaDiemTaiNan { get; set; }

93 │

94 │ public Guid? MaDieuTriBanDau { get; set; }

95 │

96 │ public Guid? MaBoPhanBiThuong { get; set; }

97 │

98 │ public Guid? MaNguyenNhanTaiNan { get; set; }

99 │

100 │ public bool? NongDoCon { get; set; }

101 │

102 │ public bool? DuongTinhMaTuy { get; set; }

103 │

104 │ public bool? DoiMuBaoHiem { get; set; }

105 │

106 │ public bool? ChanThuongSoNao { get; set; }

107 │

108 │ public bool? ChanThuongCotSong { get; set; }

109 │

110 │ public decimal? CongKham { get; set; }

111 │

112 │ public decimal? ThanhToan { get; set; }

113 │

114 │ public string? SoSeriNghiOm { get; set; }

115 │

116 │ public DateTime? NghiOmTuNgay { get; set; }

117 │

118 │ public DateTime? NghiOmDenNgay { get; set; }

119 │

120 │ public decimal? SoNgayNghiOm { get; set; }

121 │

122 │ public string? NoiLamViec { get; set; }

123 │

124 │ public string? ChuanDoanVaoVien { get; set; }

125 │

126 │ public string? PpdieuTri { get; set; }

127 │

128 │ public string? HoTenCha { get; set; }

129 │

130 │ public string? HoTenMe { get; set; }

131 │

132 │ public string? NguoiDaiDien { get; set; }

133 │

134 │ public string? MaChungTu { get; set; }

135 │

136 │ public string? SoBhxh { get; set; }

137 │

138 │ public int? SoLanInNghiOm { get; set; }

139 │

140 │ public Guid? ThuTruongDonVi { get; set; }

141 │

142 │ public Guid? MaPhieuThu { get; set; }

143 │

144 │ public Guid? MaSoThuTu { get; set; }

145 │

146 │ public DateTime? NgayKetThuc { get; set; }

147 │

148 │ public Guid? MaPhongBanTiepNhan { get; set; }

149 │

150 │ public string? SoVaoVien { get; set; }

151 │

152 │ public string? SoRaVien { get; set; }

153 │

154 │ public string? SoChuyenVien { get; set; }

155 │

156 │ public string? SoLuuTru { get; set; }

157 │

158 │ public Guid? KhoaDangDieuTri { get; set; }

159 │

160 │ public Guid? MaGiuongBenh { get; set; }

161 │

162 │ public Guid? MaNguoiDaiDienBv { get; set; }

163 │

164 │ public bool? CodeStroke { get; set; }

165 │

166 │ public bool? Khan { get; set; }

167 │

168 │ public string? GhiChu { get; set; }

169 │

170 │ public int? SeqSoVaoVien { get; set; }

171 │

172 │ public int? SeqSoChuyenVien { get; set; }

173 │

174 │ public int? SeqSoRaVien { get; set; }

175 │

176 │ public int? SeqSoLuuTru { get; set; }

177 │

178 │ public int? MaDangKyKham { get; set; }

179 │

180 │ public Guid? MaTiepNhanSanPhu { get; set; }

181 │

182 │ public DateTime? NgayGui { get; set; }

183 │

184 │ public string? MaGiaoDich { get; set; }

185 │

186 │ public int? TrangThaiGuiCongBhyt { get; set; }

187 │

188 │ public DateTime? ThoiDiemDu5Nam { get; set; }

189 │

190 │ public DateTime? MienCctTuNgay { get; set; }

191 │

192 │ public Guid? UserCreated { get; set; }

193 │

194 │ public DateTime? CreatedDate { get; set; }

195 │

196 │ public Guid? UserModified { get; set; }

197 │

198 │ public DateTime? ModifiedDate { get; set; }

199 │

200 │ public bool? Deleted { get; set; }

201 │

202 │ public Guid? UserDeleted { get; set; }

203 │

204 │ public DateTime? DeletedDate { get; set; }

205 │

206 │ public bool? MangThai { get; set; }

207 │

208 │ public bool? ChoConBu { get; set; }

209 │

210 │ public DateTime? NgayCheckIn { get; set; }

211 │

212 │ public string? MaCheckIn { get; set; }

213 │

214 │ public DateTime? NgayThuTruongDonViKy { get; set; }

215 │

216 │ public DateTime? NgayBacSiKyNghiOm { get; set; }

217 │

218 │ public string? FilePathGiayNghiOm { get; set; }

219 │

220 │ public Guid? MaBacSiKyNghiOm { get; set; }

221 │

222 │ public Guid? MaThongTinKhamNghiOm { get; set; }

223 │

224 │ public string? SoSeri { get; set; }

225 │

226 │ public string? LoiGuiCong { get; set; }

227 │

228 │ public DateTime? NgayQtcongBhyt { get; set; }

229 │

230 │ public Guid? MaNgoaiTruVienPhi { get; set; }

231 │ }

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**📄 KcbToaThuoc.cs (CS, 107 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbToaThuoc

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public string? Code { get; set; }

11 │

12 │ public Guid? MaTiepNhan { get; set; }

13 │

14 │ public Guid? MaBenhNhan { get; set; }

15 │

16 │ public Guid? MaThongTinKham { get; set; }

17 │

18 │ public Guid? MaToaThuocMau { get; set; }

19 │

20 │ public Guid? CopyTuMaToa { get; set; }

21 │

22 │ public decimal? SoNgaySuDung { get; set; }

23 │

24 │ public string? GhiChu { get; set; }

25 │

26 │ public Guid? MaKho { get; set; }

27 │

28 │ public decimal? ThanhTien { get; set; }

29 │

30 │ public decimal? ThanhTienBh { get; set; }

31 │

32 │ public decimal? ThanhTienBhthanhToan { get; set; }

33 │

34 │ public decimal? DaTamUng { get; set; }

35 │

36 │ public decimal? DaThanhToan { get; set; }

37 │

38 │ public int? TrangThai { get; set; }

39 │

40 │ public bool? KhongLayThuoc { get; set; }

41 │

42 │ public bool? HienNgayHen { get; set; }

43 │

44 │ public bool? ToaXuatVien { get; set; }

45 │

46 │ public bool? DaTongHop { get; set; }

47 │

48 │ public Guid? MaPhieuXuatTongHop { get; set; }

49 │

50 │ public bool? DaTongHopHoanTra { get; set; }

51 │

52 │ public Guid? MaHoanTraTongHop { get; set; }

53 │

54 │ public bool? DaBuTruc { get; set; }

55 │

56 │ public Guid? MaPhieuXuatBuTruc { get; set; }

57 │

58 │ public bool? DaIn { get; set; }

59 │

60 │ public int? SeqSoToa { get; set; }

61 │

62 │ public Guid? MaPhongBanChuyenDen { get; set; }

63 │

64 │ public Guid? UserCreated { get; set; }

65 │

66 │ public DateTime? CreatedDate { get; set; }

67 │

68 │ public Guid? UserModified { get; set; }

69 │

70 │ public DateTime? ModifiedDate { get; set; }

71 │

72 │ public bool? Deleted { get; set; }

73 │

74 │ public Guid? UserDeleted { get; set; }

75 │

76 │ public DateTime? DeletedDate { get; set; }

77 │

78 │ public int? LanTruyenMau { get; set; }

79 │

80 │ public Guid? NhomAobNguoiBenh { get; set; }

81 │

82 │ public int? RhNguoiBenh { get; set; }

83 │

84 │ public string? LuuYbatThuong { get; set; }

85 │

86 │ public int? MaLoaiTiepNhan { get; set; }

87 │

88 │ public DateTime? NgayBacSiKy { get; set; }

89 │

90 │ public string? MucDoCanhBao { get; set; }

91 │

92 │ public string? Stt { get; set; }

93 │

94 │ public DateTime? NgayGioPhatThuoc { get; set; }

95 │

96 │ public Guid? MaQuay { get; set; }

97 │

98 │ public bool? IsThanhToan { get; set; }

99 │

100 │ public bool? IsToaVtyt { get; set; }

101 │

102 │ public bool? TruyenMauKhan { get; set; }

103 │

104 │ public DateTime? NgayYlenhGuiCong { get; set; }

105 │

106 │ public Guid? MaBacSiGuiCong { get; set; }

107 │ }

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**📄 KcbToaThuocMau.cs (CS, 35 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbToaThuocMau

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaPhongBan { get; set; }

11 │

12 │ public Guid? MaPhongKham { get; set; }

13 │

14 │ public string? TenToaThuoc { get; set; }

15 │

16 │ public string? GhiChu { get; set; }

17 │

18 │ public bool? Status { get; set; }

19 │

20 │ public Guid? UserCreated { get; set; }

21 │

22 │ public DateTime? CreatedDate { get; set; }

23 │

24 │ public Guid? UserModified { get; set; }

25 │

26 │ public DateTime? ModifiedDate { get; set; }

27 │

28 │ public bool? Deleted { get; set; }

29 │

30 │ public Guid? UserDeleted { get; set; }

31 │

32 │ public DateTime? DeletedDate { get; set; }

33 │

34 │ public bool? IsToaVtyt { get; set; }

35 │ }

────────────────────────────────────────────────────────────

**📄 KcbTrangThaiTiepNhan.cs (CS, 31 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbTrangThaiTiepNhan

7 │ {

8 │ public int Ma { get; set; }

9 │

10 │ public string? Code { get; set; }

11 │

12 │ public string? Ten { get; set; }

13 │

14 │ public bool? Status { get; set; }

15 │

16 │ public bool? NoiTru { get; set; }

17 │

18 │ public Guid? UserCreated { get; set; }

19 │

20 │ public DateTime? CreatedDate { get; set; }

21 │

22 │ public Guid? UserModified { get; set; }

23 │

24 │ public DateTime? ModifiedDate { get; set; }

25 │

26 │ public bool? Deleted { get; set; }

27 │

28 │ public Guid? UserDeleted { get; set; }

29 │

30 │ public DateTime? DeletedDate { get; set; }

31 │ }

────────────────────────────────────────────────────────────

**📄 KcbTyLeThanhToan.cs (CS, 29 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbTyLeThanhToan

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public decimal? TyLeMienGiam { get; set; }

11 │

12 │ public string? GhiChu { get; set; }

13 │

14 │ public bool? Status { get; set; }

15 │

16 │ public Guid? UserCreated { get; set; }

17 │

18 │ public DateTime? CreatedDate { get; set; }

19 │

20 │ public Guid? UserModified { get; set; }

21 │

22 │ public DateTime? ModifiedDate { get; set; }

23 │

24 │ public bool? Deleted { get; set; }

25 │

26 │ public Guid? UserDeleted { get; set; }

27 │

28 │ public DateTime? DeletedDate { get; set; }

29 │ }

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**📄 KcbXuatKhoVtth.cs (CS, 51 lines)**

1 │ ﻿using System;

2 │ using System.Collections.Generic;

3 │

4 │ namespace HISCustomerAPI.Models.Entity;

5 │

6 │ public partial class KcbXuatKhoVtth

7 │ {

8 │ public Guid Ma { get; set; }

9 │

10 │ public Guid? MaTiepNhan { get; set; }

11 │

12 │ public Guid? MaHopDong { get; set; }

13 │

14 │ public Guid? MaThucHienDvkt { get; set; }

15 │

16 │ public Guid? MaNgoaiTruVienPhi { get; set; }

17 │

18 │ public Guid? MaNoiTruVienPhi { get; set; }

19 │

20 │ public Guid? MaDichVu { get; set; }

21 │

22 │ public Guid? MaPhongBan { get; set; }

23 │

24 │ public Guid? MaPhongKham { get; set; }

25 │

26 │ public Guid? MaKhoXuat { get; set; }

27 │

28 │ public Guid? MaKhoNhap { get; set; }

29 │

30 │ public DateTime? NgayXuat { get; set; }

31 │

32 │ public string? MaChiDinh { get; set; }

33 │

34 │ public Guid? MaToaThuoc { get; set; }

35 │

36 │ public Guid? UserCreated { get; set; }

37 │

38 │ public DateTime? CreatedDate { get; set; }

39 │

40 │ public Guid? UserModified { get; set; }

41 │

42 │ public DateTime? ModifiedDate { get; set; }

43 │

44 │ public bool? Deleted { get; set; }

45 │

46 │ public Guid? UserDeleted { get; set; }

47 │

48 │ public DateTime? DeletedDate { get; set; }

49 │

50 │ public string? GhiChu { get; set; }

51 │ }

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**📄 KetQuaKhamController.cs (CS, 1088 lines)**

1 │ using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Controllers.Base;

3 │ using HISCustomerAPI.DTOs.Patient;

4 │ using HISCustomerAPI.Models;

5 │ using HISCustomerAPI.Models.Entity;

6 │ using HISCustomerAPI.Models.EntityDKKB;

7 │ using HISCustomerAPI.Models.ExModel;

8 │ using Microsoft.AspNetCore.Mvc;

9 │ using Microsoft.EntityFrameworkCore;

10 │ using System;

11 │

12 │

13 │ namespace HISCustomerAPI.Controllers

14 │ {

15 │ [Route("[controller]")]

16 │ public class KetQuaKhamController : ApiControllerBase

17 │ {

18 │ // khách hàng lấy theo link này mới đúng

19 │ private static readonly string risUrl = "https://cdha.honghunghospital.com.vn/portal/ws/rest/";

20 │ private static readonly string risUrlViewer = risUrl + "viewer?accessionNumber=";

21 │

22 │ public KetQuaKhamController(HisDangkykhamContext dkkbDBContext, HisHhhContext dbcontext)

23 │ : base(dkkbDBContext, dbcontext)

24 │ {

25 │ }

26 │

27 │ [HttpPost("danhSachVaKetQuaXN")]

28 │ [TokenUserCheckHTTPDKKB]

29 │ public ResponseModel danhSachVaKetQuaXN([FromForm] string MaTiepNhan)

30 │ {

31 │ // 1. Kiểm tra thông tin tiếp nhận

32 │ KqkTiepNhan? tn = \_dkkbDBContext.KqkTiepNhan.FirstOrDefault(t => !(t.Deleted ?? false) && t.MaTiepNhan == Ma...

33 │ if (tn == null)

34 │ {

35 │ return new ResponseModelError("Không tìm thấy kết quả");

36 │ }

37 │

38 │ // 2. Kiểm tra thông tin bệnh nhân

39 │ KqkBenhNhan? bn = \_dkkbDBContext.KqkBenhNhan.FirstOrDefault(t => !(t.Deleted ?? false) && t.GuiId == tn.MaBe...

40 │ if (bn == null)

41 │ {

42 │ return new ResponseModelError("Không tìm thấy kết quả");

43 │ }

44 │ var guidXN = new Guid("8924F079-E27D-4CF1-8403-AE698FEDA096");// NhomDichVu.XETNGHIEM.GetEnumGuid()

45 │ var ViKySinhGuid = new Guid("169080AD-7B03-4AB8-870B-694DA584E9D9");

46 │ // 3. Lấy kết quả xét nghiệm thường

47 │ var ketqua = (from kq in \_dkkbDBContext.KqkKetQuaCls.Where(t => !(t.Deleted ?? false))

48 │ join dv in \_dkkbDBContext.DkkDichVu on kq.MaDichVu equals dv.Ma

49 │ join \_u in \_dkkbDBContext.DkkUser on kq.MaNguoiDuyet equals \_u.Ma into \_u

50 │ from u in \_u.DefaultIfEmpty()

51 │ join \_ttk in \_dkkbDBContext.KqkThongTinKham on kq.MaThongTinKham equals \_ttk.MaTtk into \_ttk

52 │ from ttk in \_ttk.DefaultIfEmpty()

53 │ join \_bs in \_dkkbDBContext.DkkUser on (ttk.MaBacSi ?? ttk.UserCreated) equals \_bs.Ma into \_bs

54 │ from bs in \_bs.DefaultIfEmpty()

55 │ join \_vp in \_dkkbDBContext.KqkNgoaiTruVienPhi on kq.MaVienPhi equals \_vp.MaVienPhi into \_vp

56 │ from vp in \_vp.DefaultIfEmpty()

57 │ join \_trk in \_dkkbDBContext.DkkUser on kq.MaTruongKhoa equals \_trk.Ma into \_trk

58 │ from trk in \_trk.DefaultIfEmpty()

59 │ join nnm in \_dkkbDBContext.DkkUser on kq.UserCreatedGuid equals nnm.Ma

60 │ where kq.MaTiepNhan == tn.MaTiepNhan

61 │ && !(kq.Deleted ?? false)

62 │ && (kq.TrangThai ?? 1) == (int)TrangThaiMauXN.XacNhanKQ

63 │ && dv.MaNhom == guidXN

64 │ && dv.MaLoaiDv != ViKySinhGuid//LoaiDichVu.VIKYSINH.GetEnumGuid()

65 │ select new ThongTinKetQuaXN

66 │ {

67 │ orderid = kq.Code + "",

68 │ ma = kq.MaKetQuaCls + "",

69 │ madv = dv.Ma + "",

70 │ codedv = dv.Code + "",

71 │ maloaidv = dv.MaLoaiDv + "",

72 │ tenloaidv = dv.TenLoaiDv + "",

73 │ nguoiduyet = string.Format("{0}{1}", u.TenChucDanh == null || u == null ? "" : u.TenChucDa...

74 │ chukynguoiduyet = Utility.GetChuKy(

75 │ u != null ? sys\_UserModel.ConvertDkkUserToSysUser(u) : null,

76 │ u != null ? cat\_ChucDanhModel.ConvertDkkUserToCatChucDanh(u) : null,

77 │ kq.NgayDuyet,

78 │ ""

79 │ ),

80 │ ngayduyet = string.Format("{0:dd/MM/yyyy HH:mm:ss}", kq.NgayDuyet),

81 │ ngaynhanmau = string.Format("{0:dd/MM/yyyy HH:mm:ss}", kq.CreatedDate),

82 │ tenkhoa = ttk.TenPhongBan + "" == "" ? u.TenPhongBan != null ? u.TenPhongBan + "" : "" : t...

83 │ tenphongkhamchidinh = ttk.TenPhongKham + "",

84 │ bacsichidinh = string.Format("{0}{1}", bs.TenChucDanh == null || bs == null ? "" : bs.TenC...

85 │ ngaychidinh = string.Format("{0:dd/MM/yyyy HH:mm:ss}", vp.CreatedDate),

86 │ kyhieu = dv.KyHieuLdv + "",

87 │ truongkhoa = string.Format("{0}{1}", trk.TenChucDanh == null || trk == null ? "" : trk.Ten...

88 │ chukytruongkhoa = kq.NgayTruongKhoaKy == null ? "" : Utility.GetChuKy(

89 │ trk != null ? sys\_UserModel.ConvertDkkUserToSysUser(trk) : null,

90 │ trk != null ? cat\_ChucDanhModel.ConvertDkkUserToCatChucDanh(trk) : null,

91 │ kq.NgayTruongKhoaKy,

92 │ ""

93 │ ),

94 │ ngaytruongkhoaky = string.Format("{0:dd/MM/yyyy HH:mm:ss}", kq.NgayTruongKhoaKy),

95 │ filepath = kq.FilePath + "",

96 │ nguoinhanmau = string.Format("{0}{1}", nnm.TenChucDanh == null ? "" : nnm.TenChucDanh + "....

97 │ fileKetQua = kq.FileKetQua + ""

98 │ }).ToList();

99 │

100 │

101 │ // 4. Lấy orderdata cho XN Vi sinh

102 │ var orderdata = (from vp in \_dkkbDBContext.KqkNgoaiTruVienPhi

103 │ //join ttk in \_dkkbDBContext.KqkThongTinKham on vp.MaThongTinKham equals ttk.MaTtk

104 │ join dv in \_dkkbDBContext.DkkDichVu on vp.MaDichVu equals dv.Ma

105 │ join t in \_dkkbDBContext.KqkTiepNhan on vp.MaTiepNhan equals t.MaTiepNhan

106 │ join pk in \_dkkbDBContext.DkkPhongKham on vp.MaPhongKhamThucHien equals pk.Ma

107 │ where !(vp.Deleted ?? false) //&& !(ttk.Deleted ?? false)

108 │ && t.MaTiepNhan == MaTiepNhan.GetGuid()

109 │ && dv.MaNhom == guidXN

110 │ select new

111 │ {

112 │ matiepnhan = (vp.MaTiepNhan ?? Utility.defaultUID) + "",

113 │ ma = vp.MaVienPhi,

114 │ code = vp.Code + "",

115 │ madv = dv.Ma,

116 │ tendv = dv.Ten + "",

117 │ codedv = dv.Code + "",

118 │ soluong = (vp.SoLuong ?? 0).ToInt(),

119 │ sdbaohiem = vp.MaLoaiDoiTuong == 1, //(int)LoaiDoiTuong.BH,

120 │ maloaidv = dv.MaLoaiDv + "",

121 │ mabenhnhan = tn.MaBenhNhan + "",

122 │ uutien = (tn.CodeStroke ?? false) ? "1" : (tn.Khan ?? false) ? "2" : (tn.UuTien ?? fals...

123 │ tieudeketqua = (vp.TieuDeKetQua + "") != "" ? (vp.TieuDeKetQua + "") : ((dv.TieuDeKetQu...

124 │ }).ToList();

125 │

126 │ // 5. Lấy chi tiết kết quả XN

127 │ var chitiet = (from kq in \_dkkbDBContext.KqkKetQuaCls.Where(t => !(t.Deleted ?? false))

128 │ join ctkq in \_dkkbDBContext.KqkChiTietKetQuaCls on kq.MaKetQuaCls equals ctkq.MaKetQuaCls

129 │ where kq.MaTiepNhan == tn.MaTiepNhan

130 │ && !(ctkq.Deleted ?? false)

131 │ && ketqua.Select(t => t.ma.GetGuid()).Contains(ctkq.MaKetQuaCls ?? Utility.defaultUID)

132 │ select new

133 │ {

134 │ orderid = kq.Code + "",

135 │ madv = ctkq.MaDichVu + "",

136 │ giatri = ctkq.TestValue + "",

137 │ donvi = ctkq.Units + "",

138 │ gioihan = (bn.GioiTinh == (int)GioiTinh.Nam) && ((ctkq.LowLitmitNam + "") != "" || (ctkq....

139 │ ((ctkq.LowLitmitNam + "") != "" && (ctkq.UpLitmitNam + "") != "" ?

140 │ string.Format("{0} - {1}", ctkq.LowLitmitNam, ctkq.UpLitmitNam) :

141 │ ((ctkq.LowLitmitNam + "") != "" ? ctkq.LowLitmitNam : ctkq.UpLitmitNam) + "") :

142 │ ((ctkq.LowerLitmit + "") != "" && (ctkq.UpperLitmit + "") != "" ?

143 │ string.Format("{0} - {1}", ctkq.LowerLitmit, ctkq.UpperLitmit) :

144 │ ((ctkq.LowerLitmit + "") != "" ? ctkq.LowerLitmit : ctkq.UpperLitmit) + ""),

145 │ tendv = ctkq.TestName + "",

146 │ giatricao = (ctkq.UpLitmitNam ?? ctkq.UpperLitmit) + "",

147 │ giatrithap = (ctkq.LowLitmitNam ?? ctkq.LowerLitmit) + "",

148 │ manhomktxn = ctkq.MaNhomKyThuatXn + "",

149 │ tennhomktxn = ctkq.TenNhomKyThuatXn + "",

150 │ maketqua = kq.MaKetQuaCls,

151 │ Stt = ctkq.Stt,

152 │ codenhomkt = ctkq.CodeNhomKyThuatXn + "",

153 │ maloaidv = ctkq.CodeLoaiDichVu + "",

154 │ maloaidv2 = ctkq.MaLoaiDichVu + "",

155 │ codeloaidv = ctkq.CodeLoaiDichVu + "",

156 │ tenloaidv = ctkq.TenLoaiDichVu + ""

157 │ }).ToList();

158 │

159 │ // 6. Lấy kết quả CĐHA

160 │ var lstcdha = (from cdha in \_dkkbDBContext.KqkCdha

161 │ join \_bs in \_dkkbDBContext.DkkUser on cdha.UserModifiedGuid equals \_bs.Ma into \_bs

162 │ from bs in \_bs.DefaultIfEmpty()

163 │ join vp in \_dkkbDBContext.KqkNgoaiTruVienPhi on cdha.MaNgoaiTruVienPhi equals vp.MaVienPhi

164 │ join bsth in \_dkkbDBContext.DkkUser on vp.MaBacSiThucHien equals bsth.Ma

165 │ join \_ktv in \_dkkbDBContext.DkkUser on vp.MaDieuDuongThucHien equals \_ktv.Ma into \_ktv

166 │ from ktv in \_ktv.DefaultIfEmpty()

167 │ join \_truongkhoa in \_dkkbDBContext.DkkUser on cdha.MaTruongKhoa equals \_truongkhoa.Ma into \_t...

168 │ from truongkhoa in \_truongkhoa.DefaultIfEmpty()

169 │ join dv in \_dkkbDBContext.DkkDichVu on vp.MaDichVu equals dv.Ma

170 │ where orderdata.Select(t => t.code).Contains(cdha.OrderNumber)

171 │ && !(cdha.Deleted ?? false)

172 │ && cdha.TrangThai == (int)TrangThaiMauXN.XacNhanKQ

173 │ select new

174 │ {

175 │ machidinh = cdha.OrderNumber + "",

176 │ ngaychidinh = string.Format("{0:HH:mm:ss dd/MM/yyyy}", cdha.CreatedDate),

177 │ ketqua = cdha.ResultText + "",

178 │ ketluan = cdha.KetLuan + "",

179 │ ngaythuchien = string.Format("{0:HH:mm:ss dd/MM/yyyy}", cdha.CreatedDate),

180 │ hinhanh = risUrlViewer + cdha.OrderNumber + "",

181 │ hinhanhinkq = cdha.Picture + "",

182 │ ngaygiotraketqua = string.Format("{0:HH:mm:ss dd/MM/yyyy}", cdha.NgayXacNhan),

183 │ bacsithuchien = dv.MaNhom == guidXN ?

184 │ string.Format("{0}{1}", truongkhoa == null ? "" : (truongkhoa.TenChucDanh == null ? ...

185 │ string.Format("{0}{1}", bsth == null ? "" : (bsth.TenChucDanh == null ? "" : bsth.Te...

186 │ chukybacsi = dv.MaNhom == guidXN ?

187 │ (cdha.NgayTruongKhoaKy == null ? "" : Utility.GetChuKy(

188 │ truongkhoa != null ? sys\_UserModel.ConvertDkkUserToSysUser(truongkhoa) : null,

189 │ truongkhoa != null ? cat\_ChucDanhModel.ConvertDkkUserToCatChucDanh(truongkhoa) :...

190 │ cdha.NgayTruongKhoaKy,

191 │ ""

192 │ )) :

193 │ Utility.GetChuKy(

194 │ bsth != null ? sys\_UserModel.ConvertDkkUserToSysUser(bsth) : null,

195 │ bsth != null ? cat\_ChucDanhModel.ConvertDkkUserToCatChucDanh(bsth) : null,

196 │ cdha.NgayXacNhan,

197 │ ""

198 │ ),

199 │ ngaytruongkhoaky = string.Format("{0:dd/MM/yyyy HH:mm:ss}", cdha.NgayTruongKhoaKy),

200 │ ktvthuchien = string.Format("{0}{1}", ktv == null ? "" : (ktv.TenChucDanh == null ? "" : ...

201 │ chukyktv = Utility.GetChuKy(

202 │ ktv != null ? sys\_UserModel.ConvertDkkUserToSysUser(ktv) : null,

203 │ ktv != null ? cat\_ChucDanhModel.ConvertDkkUserToCatChucDanh(ktv) : null,

204 │ cdha.NgayXacNhan,

205 │ ""

206 │ ),

207 │ madichvu = dv.Ma + "",

208 │ tendichvu = dv.Ten + "",

209 │ fileketqua = cdha.FileKetQua + "",

210 │ filepath = cdha.FilePath + ""

211 │ }).ToList();

212 │

213 │ if ((chitiet == null || chitiet.Count == 0) && lstcdha.Count == 0)

214 │ {

215 │ return new ResponseModelError("Không tìm thấy kết quả");

216 │ }

217 │

218 │ // 7. Lấy thông tin viện phí ngoại trú

219 │ var vpnt = (from vp in \_dkkbDBContext.KqkNgoaiTruVienPhi

220 │ join ttk in \_dkkbDBContext.KqkThongTinKham on vp.MaThongTinKham equals ttk.MaTtk

221 │ join u in \_dkkbDBContext.DkkUser on (ttk.MaBacSi ?? ttk.UserCreated) equals u.Ma

222 │ join \_tn in \_dkkbDBContext.KqkTiepNhan on ttk.MaTiepNhan equals \_tn.MaTiepNhan into \_tn

223 │ from t in \_tn.DefaultIfEmpty()

224 │ where !(vp.Deleted ?? false) && vp.MaTiepNhan == MaTiepNhan.GetGuid()

225 │ select new

226 │ {

227 │ machidinh = vp.Code + "",

228 │ mavp = vp.MaVienPhi + "",

229 │ tenbs = string.Format("{0}{1}", u == null ? "" : (u.TenChucDanh == null ? "" : u.TenChucDanh...

230 │ tenphong = (t.MaLoaiTiepNhan == 2 ? t.TenGiuongBenh : vp.TenPhongKham) + "",//(int)LoaiTiepN...

231 │ tenkhoa = ttk.TenPhongBan + "",

232 │ chandoan = (ttk.BenhPhu + "") != "" ? (ttk.BenhPhu + "") : (ttk.TenBenhChinh + "; " + ttk.Te...

233 │ phongthuchien = vp.MaPhongKhamThucHien + ""

234 │ }).ToList();

235 │

236 │ if ((ketqua == null || ketqua.Count == 0) && orderdata.Count == 0)

237 │ {

238 │ return new ResponseModelError("Không tìm thấy kết quả");

239 │ }

240 │

241 │ // 8. Xử lý nhóm kết quả theo ký hiệu

242 │ foreach (var item in ketqua)

243 │ {

244 │ if (!item.kyhieu.IsEmpty())

245 │ {

246 │ var arr = ketqua.Where(t => t.kyhieu == item.kyhieu).Select(t => t.tenloaidv).Distinct().ToList();

247 │ if (arr.Count > 0)

248 │ {

249 │ item.tennhom = string.Join("; ", arr);

250 │ }

251 │ }

252 │ }

253 │

254 │ // 9. Tổng hợp và trả về kết quả

255 │ var result = new

256 │ {

257 │ benhnhan = new

258 │ {

259 │ codebenhnhan = bn.Code + "",

260 │ tenbenhnhan = bn.Ten + "",

261 │ ngaysinh = string.Format("{0:dd/MM/yyyy}", bn.NgaySinh),

262 │ tengioitinh = bn.GioiTinh == 1 ? "Nam" : (bn.GioiTinh == 2 ? "Nữ" : "Khác"),

263 │ diachi = bn.DiaChi + "",

264 │ machidinh = ketqua.Select(x => x.orderid).Distinct().ToList(),

265 │ hoten = bn.Ten + "",

266 │ gioitinh = (bn.GioiTinh ?? 1) == 1 ? "Nam" : "Nữ",

267 │ },

268 │ ketqua,

269 │ chitiet = chitiet.OrderBy(t => t.codeloaidv)

270 │ .ThenBy(t => t.codenhomkt)

271 │ .ThenBy(t => t.Stt)

272 │ .Select(t => new

273 │ {

274 │ orderid = t.orderid,

275 │ madv = t.madv,

276 │ giatri = t.giatri,

277 │ donvi = t.donvi,

278 │ gioihan = t.gioihan,

279 │ tendv = t.tendv,

280 │ giatricao = t.giatricao,

281 │ giatrithap = t.giatrithap,

282 │ maketqua = t.maketqua,

283 │ manhomktxn = t.manhomktxn,

284 │ tennhomktxn = t.tennhomktxn,

285 │ maloaidv = t.maloaidv,

286 │ maloaidv2 = t.maloaidv2,

287 │ codeloaidv = t.codeloaidv,

288 │ tenloaidv = t.tenloaidv,

289 │ codenhomkt = t.codenhomkt,

290 │ ketluan = Utility.GetKetLuanXetNghiem(t.giatri, t.giatrithap, t.giatricao, t.gioihan...

291 │ }),

292 │ orderdata,

293 │ lstcdha,

294 │ vpnt,

295 │ machidinhs = lstcdha.Select(t => t.machidinh).Distinct().ToList()

296 │ };

297 │

298 │ return new ResponseModelSuccess("", result);

299 │ }

300 │

301 │ [HttpPost("danhSachKetQuaXQuang")]

302 │ [TokenUserCheckHTTPDKKB]

303 │ public ResponseModel danhSachKetQuaXQuang([FromForm] string MaTiepNhan)

304 │ {

305 │ var result = GetCDHAByType(MaTiepNhan, "1C6EE3FA-E918-4421-AE32-287EB97E9EA9");

306 │ if (result == null)

307 │ {

308 │ return new ResponseModelError("Không tìm thấy kết quả");

309 │ }

310 │ return new ResponseModelSuccess("", result);

311 │ }

312 │

313 │ [HttpPost("danhSachKetQuaNoiSoi")]

314 │ [TokenUserCheckHTTPDKKB]

315 │ public ResponseModel danhSachKetQuaNoiSoi([FromForm] string MaTiepNhan)

316 │ {

317 │ var result = GetCDHAByType(MaTiepNhan, "B3D00C52-2FF6-4F11-A173-23A6704C4720");

318 │ if (result == null)

319 │ {

320 │ return new ResponseModelError("Không tìm thấy kết quả");

321 │ }

322 │ return new ResponseModelSuccess("", result);

323 │ }

324 │

325 │ [HttpPost("danhSachKetQuaCT")]

326 │ [TokenUserCheckHTTPDKKB]

327 │ public ResponseModel danhSachKetQuaCT([FromForm] string MaTiepNhan)

21 │

22 │

23 │ public int Add(string Ten, bool Status, Guid UserId)

24 │ {

25 │ CatDanToc item = new CatDanToc

26 │ {

27 │ Ten = Ten,

28 │ Status = Status,

29 │ UserCreated = UserId,

30 │ CreatedDate = DateTime.Now

31 │ };

32 │ return Add(item);

33 │ }

34 │

35 │

36 │ }

37 │ }

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**📄 cat\_HuyenThiModel.cs (CS, 40 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.EntityDKKB;

3 │ using Microsoft.EntityFrameworkCore;

4 │

5 │ namespace HISCustomerAPI.Models.ExModel

6 │ {

7 │ public class cat\_HuyenThiModel : Base<CatHuyenThi>

8 │ {

9 │ public cat\_HuyenThiModel(DbContext dbContext) : base(dbContext)

10 │ {

11 │ }

12 │ public List<CatHuyenThi> GetData()

13 │ {

14 │ return Get(t => !(t.Deleted ?? false)).OrderByDescending(t => t.CreatedDate).ToList();

15 │ }

16 │

17 │ public CatHuyenThi GetItem(Guid Ma)

18 │ {

19 │ return First(t => t.Ma == Ma && !(t.Deleted ?? false));

20 │ }

21 │

22 │

23 │ public int Add(string Ten, Guid MaTinh, int MaCongTC, int MaCongBHYT, bool Status, Guid UserId)

24 │ {

25 │ CatHuyenThi item = new CatHuyenThi

26 │ {

27 │ Code = Utility.GetCodeDiaChi(Ten),

28 │ Ten = Ten,

29 │ MaTinh = MaTinh,

30 │ MaCongTc = MaCongTC,

31 │ MaCongBhyt = MaCongBHYT,

32 │ Status = Status,

33 │ UserCreated = UserId,

34 │ CreatedDate = DateTime.Now

35 │ };

36 │ return Add(item);

37 │ }

38 │

39 │ }

40 │ }

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**📄 cat\_PhongKhamModel.cs (CS, 191 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.Entity;

3 │ using Microsoft.EntityFrameworkCore;

4 │

5 │ namespace HISCustomerAPI.Models.ExModel

6 │ {

7 │ public class cat\_PhongKhamModel : Base<CatPhongKham>

8 │ {

9 │ public cat\_PhongKhamModel(DbContext dbContext) : base(dbContext)

10 │ {

11 │ }

12 │ public List<CatPhongKham> GetData()

13 │ {

14 │ return Get(t => !(t.Deleted ?? false)).OrderByDescending(t => t.CreatedDate).ToList();

15 │ }

16 │ public List<CatPhongKham> GetData\_TheoPhongBan(Guid MaPhongBan)

17 │ {

18 │ return Get(t => !(t.Deleted ?? false) && (t.MaPhongBan == MaPhongBan || MaPhongBan == Utility.defaultUID)).O...

19 │ }

20 │

21 │ public List<CatPhongKham> GetData\_TheoUser(Guid UserID)

22 │ {

23 │ var user = \_dbContext.Set<SysUser>().FirstOrDefault(t => t.Ma == UserID);

24 │ var pks = (from r in \_dbContext.Set<SysUserPhongKham>()

25 │ join pk in \_dbContext.Set<CatPhongKham>() on r.MaPhongKham equals pk.Ma

26 │ where !(r.Deleted ?? false) && (r.Status ?? true)

27 │ && !(pk.Deleted ?? false) && (pk.Status ?? true)

28 │ && r.UserId == UserID

29 │ && ((pk.MaPhongBan ?? Utility.defaultUID) == (user == null ? Utility.defaultUID : user.MaPhongBan...

30 │ || (pk.MaPhongBan ?? Utility.defaultUID) == (user == null ? Utility.defaultUID : user.MaPhongBan ...

31 │ select pk).Distinct().ToList();

32 │

33 │ return pks;

34 │ }

35 │

36 │ public List<CatPhongKham> GetData\_TheoUser\_KhoaPhong(Guid UserID, Guid KhoaPhong)

37 │ {

38 │ var user = \_dbContext.Set<SysUser>().FirstOrDefault(t => t.Ma == UserID);

39 │ var data = GetData().Where(t => (t.MaPhongBan == user.MaPhongBan || t.MaPhongBan == user.MaPhongBanKiemNhiem...

40 │ return data;

41 │ }

42 │

43 │ public List<CatPhongKham> LayDanhSachPhongKhamTiepNhan()

44 │ {

45 │ return Get(t => (t.SoDinhDanh ?? "") != "" && !(t.Deleted ?? false)).OrderByDescending(t => t.CreatedDate).T...

46 │ }

47 │ public CatPhongKham GetItem(Guid Ma)

48 │ {

49 │ return First(t => t.Ma == Ma && !(t.Deleted ?? false));

50 │ }

51 │

52 │ public List<CatPhongKham> getPhongKhamTheoNhom(Guid NhomGiaoDien)

53 │ {

54 │ List<CatPhongKham> res = (from q in \_dbContext.Set<CatPhongKham>()

55 │ where q.NhomGiaoDien == NhomGiaoDien && !(q.Deleted ?? false) && (q.Status ?? fals...

56 │ select q).ToList();

57 │

58 │ return res;

59 │ }

60 │

61 │ public List<CatPhongKham> getPhongKhamTheoNhomCLS()

62 │ {

63 │ List<CatPhongKham> res = (from q in \_dbContext.Set<CatPhongKham>()

64 │ where (q.Kham ?? false)

65 │ && !(q.Deleted ?? false) && (q.Status ?? false)

66 │ select q).ToList();

67 │

68 │ return res;

69 │ }

70 │

71 │ public List<CatPhongKham> getPhongKhamTheoNhomVaUser(Guid NhomGiaoDien, Guid UserId)

72 │ {

73 │ List<CatPhongKham> res = (from pk in \_dbContext.Set<CatPhongKham>()

74 │ join r in \_dbContext.Set<SysRolePhongKham>() on pk.Ma equals r.MaPhongKham

75 │ join ur in \_dbContext.Set<SysUserRole>() on r.RoleId equals ur.RoleId

76 │ where pk.NhomGiaoDien == NhomGiaoDien && ur.UserId == UserId

77 │ && !(ur.Deleted ?? false) && !(pk.Deleted ?? false) && !(r.Deleted ?? false)

78 │ && (pk.Status ?? false)

79 │ select pk).Distinct().ToList();

80 │

81 │ return res;

82 │ }

83 │ public int Add(string Code, string SoDinhDanh, string Ten, Guid MaPhongBan, string KyHieu, bool CoQuyenTiepNhan

84 │ , bool Status, Guid UserId, Guid NhomGiaoDien, bool KhamNgoaiTru, Guid MaKhoNhaThuoc, string MauGoiTen, stri...

85 │ , Guid CongKhamMacDinhNgayThuong, Guid CongKhamMacDinhNgayLe, Guid? PhongKhamCha, string TieuDeKetQua, Guid?...

86 │ {

87 │ // kiểm tra trùng

88 │ if (CheckExsits(Utility.defaultUID, Code))

89 │ {

90 │ return -1;

91 │ }

92 │

93 │ CatPhongKham item = new CatPhongKham

94 │ {

95 │ Code = Code,

96 │ SoDinhDanh = SoDinhDanh,

97 │ Ten = Ten,

98 │ MaPhongBan = MaPhongBan,

99 │ KyHieu = KyHieu,

100 │ CoQuyenTiepNhan = CoQuyenTiepNhan,

101 │ NhomGiaoDien = NhomGiaoDien,

102 │ Kham = KhamNgoaiTru,

103 │ KhoNhaThuoc = MaKhoNhaThuoc,

104 │ MauGoiTen = MauGoiTen,

105 │ MauGoiStt = MauGoiSTT,

106 │ MaKhuVuc = MaKhucVuc,

107 │ Status = Status,

108 │ MaThietBiQc = MaThietBiQC,

109 │ UserCreated = UserId,

110 │ CreatedDate = DateTime.Now,

111 │ CongKhamMacDinhNgayThuong = CongKhamMacDinhNgayThuong,

112 │ CongKhamMacDinhNgayLe = CongKhamMacDinhNgayLe,

113 │ PhongKhamCha = PhongKhamCha,

114 │ TieuDeKetQua = TieuDeKetQua,

115 │ MaKhoTuTruc = MaKhoTuTruc,

116 │ };

117 │ return Add(item);

118 │ }

119 │

120 │ public int Edit(Guid Ma, string Code, string SoDinhDanh, string Ten, Guid MaPhongBan, string KyHieu, bool CoQuye...

121 │ , bool Status, Guid UserId, Guid NhomGiaoDien, bool KhamNgoaiTru, Guid MaKhoNhaThuoc, string MauGoiTen, stri...

122 │ , Guid CongKhamMacDinhNgayThuong, Guid CongKhamMacDinhNgayLe, Guid? PhongKhamCha, string TieuDeKetQua, Guid?...

123 │ {

124 │ CatPhongKham item = GetItem(Ma);

125 │ if (item != null)

126 │ {

127 │ // kiểm tra trùng

128 │ if (CheckExsits(Ma, Code))

129 │ {

130 │ return -1;

131 │ }

132 │

133 │ KcbTiepNhan? tn = \_dbContext.Set<KcbTiepNhan>().Where(t => t.MaPhongKham == Ma && !(t.Deleted ?? false))...

134 │ if (tn != null)

135 │ {

136 │ item.CoQuyenTiepNhan = CoQuyenTiepNhan;

137 │ //item.MaPhongBan = MaPhongBan;

138 │ }

139 │ item.MaPhongBan = MaPhongBan;

140 │ item.Kham = KhamNgoaiTru;

141 │ item.Ma = Ma;

142 │ item.Code = Code;

143 │ item.SoDinhDanh = SoDinhDanh;

144 │ item.Ten = Ten;

145 │ item.MaThietBiQc = MaThietBiQC;

146 │ item.KyHieu = KyHieu;

147 │ item.NhomGiaoDien = NhomGiaoDien;

148 │ item.KhoNhaThuoc = MaKhoNhaThuoc;

149 │ item.Status = Status;

150 │ item.MauGoiTen = MauGoiTen;

151 │ item.MauGoiStt = MauGoiSTT;

152 │ item.MaKhuVuc = MaKhuVuc;

153 │ item.UserModified = UserId;

154 │ item.ModifiedDate = DateTime.Now;

155 │ item.CongKhamMacDinhNgayThuong = CongKhamMacDinhNgayThuong;

156 │ item.CongKhamMacDinhNgayLe = CongKhamMacDinhNgayLe;

157 │ item.PhongKhamCha = PhongKhamCha;

158 │ item.TieuDeKetQua = TieuDeKetQua;

159 │ item.MaKhoTuTruc = MaKhoTuTruc;

160 │ return Update(item);

161 │ }

162 │ return -2;

163 │ }

164 │ public int Delete(Guid Ma, Guid UserID)

165 │ {

166 │ CatPhongKham item = GetItem(Ma);

167 │ if (CheckUsing(Ma))

168 │ {

169 │ return -5;

170 │ }

171 │ if (item != null)

172 │ {

173 │ item.Deleted = true;

174 │ item.DeletedDate = DateTime.Now;

175 │ item.UserDeleted = UserID;

176 │ return Update(item);

177 │ }

178 │ return -2;

179 │ }

180 │ public bool CheckExsits(Guid Ma, string Code)

181 │ {

182 │ return \_dbContext.Set<CatPhongKham>().Any(t => t.Ma != Ma && t.Code == Code && !(t.Deleted ?? false));

183 │ }

184 │ public bool CheckUsing(Guid Ma)

185 │ {

186 │ return \_dbContext.Set<CatCongKham>().Any(t => t.MaPhongKham == Ma && !(t.Deleted ?? false))

187 │ || \_dbContext.Set<KcbTiepNhan>().Any(t => t.MaPhongKham == Ma && !(t.Deleted ?? false))

188 │ || \_dbContext.Set<KcbNgoaiTruVienPhi>().Any(t => (t.MaPhongKhamThucHien == Ma || t.MaPhongKhamChiDinh ==...

189 │ }

190 │ }

191 │ }

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**📄 cat\_PhuongXaModel.cs (CS, 40 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.EntityDKKB;

3 │ using Microsoft.EntityFrameworkCore;

4 │

5 │ namespace HISCustomerAPI.Models.ExModel

6 │ {

7 │ public class cat\_PhuongXaModel : Base<CatPhuongXa>

8 │ {

9 │ public cat\_PhuongXaModel(DbContext dbContext) : base(dbContext)

10 │ {

11 │ }

12 │ public List<CatPhuongXa> GetData()

13 │ {

14 │ return Get(t => !(t.Deleted ?? false)).OrderByDescending(t => t.CreatedDate).ToList();

15 │ }

16 │

17 │ public CatPhuongXa GetItem(Guid Ma)

18 │ {

19 │ return First(t => t.Ma == Ma && !(t.Deleted ?? false));

20 │ }

21 │

22 │

23 │ public int Add(String Ten, Guid MaHuyen, int MaCongTC, int MaCongBHYT, bool Status, Guid UserId)

24 │ {

25 │ CatPhuongXa item = new CatPhuongXa

26 │ {

27 │ Code = Utility.GetCodeDiaChi(Ten),

28 │ Ten = Ten,

29 │ MaHuyen = MaHuyen,

30 │ MaCongTc = MaCongTC,

31 │ MaCongBhyt = MaCongBHYT,

32 │ Status = Status,

33 │ UserCreated = UserId,

34 │ CreatedDate = DateTime.Now

35 │ };

36 │ return Add(item);

37 │ }

38 │

39 │ }

40 │ }

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**📄 cat\_QuocGiaModel.cs (CS, 39 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.EntityDKKB;

3 │ using Microsoft.EntityFrameworkCore;

4 │

5 │ namespace HISCustomerAPI.Models.ExModel

6 │ {

7 │ public class cat\_QuocGiaModel : Base<CatQuocGia>

8 │ {

9 │ public cat\_QuocGiaModel(DbContext dbContext) : base(dbContext)

10 │ {

11 │ }

12 │ public List<CatQuocGia> GetData()

13 │ {

14 │ return Get(t => !(t.Deleted ?? false)).OrderByDescending(t => t.CreatedDate).ToList();

15 │ }

16 │

17 │ public CatQuocGia GetItem(Guid Ma)

18 │ {

19 │ return First(t => t.Ma == Ma && !(t.Deleted ?? false));

20 │ }

21 │

22 │

23 │ public int Add(string MaBHXH, string Ten, bool Status, Guid UserId)

24 │ {

25 │ CatQuocGia item = new CatQuocGia

26 │ {

27 │ MaBhxh = MaBHXH,

28 │ Code = Utility.GetCodeDiaChi(Ten),

29 │ Ten = Ten,

30 │ Status = Status,

31 │ UserCreated = UserId,

32 │ CreatedDate = DateTime.Now

33 │ };

34 │ return Add(item);

35 │ }

36 │

37 │

38 │ }

39 │ }

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**📄 cat\_TinhThanhModel.cs (CS, 40 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.EntityDKKB;

3 │ using Microsoft.EntityFrameworkCore;

4 │

5 │ namespace HISCustomerAPI.Models.ExModel

6 │ {

7 │ public class cat\_TinhThanhModel : Base<CatTinhThanh>

8 │ {

9 │

10 │ public cat\_TinhThanhModel(DbContext dbContext) : base(dbContext)

11 │ {

12 │ }

13 │ public List<CatTinhThanh> GetData()

14 │ {

15 │ return Get(t => !(t.Deleted ?? false)).OrderByDescending(t => t.CreatedDate).ToList();

16 │ }

17 │

18 │ public CatTinhThanh GetItem(Guid Ma)

19 │ {

20 │ return First(t => t.Ma == Ma && !(t.Deleted ?? false));

21 │ }

22 │

23 │ public int Add(string Ten, Guid MaQuocGia, int MaCongTC, int MaCongBHYT, bool Status, Guid UserId)

24 │ {

25 │ CatTinhThanh item = new CatTinhThanh

26 │ {

27 │ Code = Utility.GetCodeDiaChi(Ten),

28 │ Ten = Ten,

29 │ MaQuocGia = MaQuocGia,

30 │ MaCongTc = MaCongTC,

31 │ MaCongBhyt = MaCongBHYT,

32 │ Status = Status,

33 │ UserCreated = UserId,

34 │ CreatedDate = DateTime.Now

35 │ };

36 │ return Add(item);

37 │ }

38 │

39 │ }

40 │ }

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**📄 doc\_ThongTinBacSiModel.cs (CS, 99 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.EntityDKKB;

3 │ using Microsoft.EntityFrameworkCore;

4 │

5 │ namespace HISCustomerAPI.Models.ExModel

6 │ {

7 │ public class doc\_ThongTinBacSiModel : Base<DocThongTinBacSi>

8 │ {

9 │ public doc\_ThongTinBacSiModel(DbContext dbContext) : base(dbContext)

10 │ {

11 │

12 │ }

13 │ public DocThongTinBacSi GetItem(int Ma)

14 │ {

15 │ return First(t => t.Ma == Ma && !(t.Deleted ?? false));

16 │ }

17 │ public List<DocThongTinBacSi> GetData()

18 │ {

19 │ return Get(t => !(t.Deleted ?? false)).OrderByDescending(t => t.CreatedDate).ToList();

20 │ }

21 │

22 │ public int Add(Guid MaBacSiHis, string HinhAnh, string ThongTin)

23 │ {

24 │ using var transaction = \_dbContext.Database.BeginTransaction();

25 │ try

26 │ {

27 │ if (\_dbContext.Set<DocThongTinBacSi>().Any(t => t.MaBacSiHis == MaBacSiHis && !(t.Deleted ?? false)))

28 │ {

29 │ return ActionStatus.Exist.toInt();

30 │ //đã có bác sĩ này

31 │ }

32 │ DocThongTinBacSi item = new DocThongTinBacSi();

33 │ item.MaBacSiHis = MaBacSiHis;

34 │ item.HinhAnh = HinhAnh;

35 │ item.ThongTin = ThongTin;

36 │ item.CreatedDate = DateTime.Now;

37 │

38 │ \_dbContext.Add(item);

39 │ \_dbContext.SaveChanges();

40 │ transaction.Commit();

41 │ // thêm mới

42 │ }

43 │ catch

44 │ {

45 │ transaction.Rollback();

46 │ return ActionStatus.Error.toInt();

47 │ }

48 │ return ActionStatus.Success.toInt();

49 │ }

50 │

51 │ public int Update(int Ma, Guid MaBacSiHis, string HinhAnh, string ThongTin)

52 │ {

53 │ using var transaction = \_dbContext.Database.BeginTransaction();

54 │ try

55 │ {

56 │ DocThongTinBacSi item = First(t => t.Ma == Ma && !(t.Deleted ?? false));

57 │ if (item == null)

58 │ {

59 │ return ActionStatus.NotExit.toInt();

60 │ }

61 │ item.MaBacSiHis = MaBacSiHis;

62 │ item.HinhAnh = HinhAnh;

63 │ item.ThongTin = ThongTin;

64 │ item.ModifiedDate = DateTime.Now;

65 │

66 │ \_dbContext.Update(item);

67 │ \_dbContext.SaveChanges();

68 │ transaction.Commit();

69 │ // thêm mới

70 │ }

71 │ catch

72 │ {

73 │ transaction.Rollback();

74 │ return ActionStatus.Error.toInt();

75 │ }

76 │ return ActionStatus.Success.toInt();

77 │ }

78 │

79 │ public int Delete(int Ma)

80 │ {

81 │ DocThongTinBacSi item = GetItem(Ma);

82 │ if (CheckUsing(Ma))

83 │ {

84 │ return -5;

85 │ }

86 │ if (item != null)

87 │ {

88 │ item.Deleted = true;

89 │ item.DeletedDate = DateTime.Now;

90 │ return Update(item);

91 │ }

92 │ return -2;

93 │ }

94 │ public bool CheckUsing(int Ma)

95 │ {

96 │ return false;

97 │ }

98 │ }

99 │ }

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**📄 evt\_DanhSachSuKienModel.cs (CS, 63 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.EntityDKKB;

3 │ using Microsoft.EntityFrameworkCore;

4 │

5 │ namespace HISCustomerAPI.Models.ExModel

6 │ {

7 │ public class EvtDanhSachSuKienExtend : EvtDanhSachSuKien

8 │ {

9 │ public Guid? PhongBanHienTai { get; set; }

10 │ public string? CodeMauSuKien { get; set; }

11 │ public string? TenMauSuKien { get; set; }

12 │ }

13 │

14 │ public class evt\_DanhSachSuKienModel : Base<EvtDanhSachSuKien>

15 │ {

16 │ public evt\_DanhSachSuKienModel(DbContext dbContext) : base(dbContext)

17 │ {

18 │ }

19 │ public List<EvtDanhSachSuKien> GetData()

20 │ {

21 │ return Get(t => !(t.Deleted ?? false)).OrderBy(t => t.CreatedDate).ToList();

22 │ }

23 │

24 │ public List<EvtDanhSachSuKienExtend> GetData(EvtDanhSachSuKienExtend model)

25 │ {

26 │ DateTime now = DateTime.Now;

27 │ Guid MaPhongBanHienTai = model.PhongBanHienTai == null ? Utility.defaultUID : (Guid)model.PhongBanHienTai;

28 │

29 │ var DanhSachSuKien = \_dbContext.Set<EvtDanhSachSuKien>().Where(x =>

30 │ x.BatDau.Value <= now &&

31 │ x.KetThuc.Value >= now &&

32 │ (MaPhongBanHienTai == Utility.defaultUID || x.DsphongBanApDung.Contains(MaPhongBanHienTai.ToString())) &&

33 │ !(x.Deleted ?? false) && x.Status == true &&

34 │ (model.IsWeb == null || x.IsWeb == model.IsWeb) &&

35 │ (model.IsMobie == null || x.IsMobie == model.IsMobie)

36 │ ).OrderByDescending(x => x.CreatedDate).ToList();

37 │

38 │ var DanhSachSuKienExtend = (

39 │ from dsSuKien in DanhSachSuKien

40 │ select new EvtDanhSachSuKienExtend

41 │ {

42 │ Ma = dsSuKien.Ma,

43 │ MaMauSuKien = dsSuKien.MaMauSuKien,

44 │ BatDau = dsSuKien.BatDau,

45 │ KetThuc = dsSuKien.KetThuc,

46 │ IsWeb = dsSuKien.IsWeb,

47 │ IsMobie = dsSuKien.IsMobie,

48 │ CodeMauSuKien = dsSuKien.CodeMauSuKien,

49 │ TenMauSuKien = dsSuKien.TenMauSuKien,

50 │ CreatedDate = dsSuKien.CreatedDate,

51 │ UserCreated = dsSuKien.UserCreated,

52 │ NoiDungThongBao = dsSuKien.NoiDungThongBao,

53 │ DsphongBanApDung = dsSuKien.DsphongBanApDung,

54 │ }

55 │ )

56 │ .OrderByDescending(x => x.CreatedDate)

57 │ .ToList();

58 │

59 │ return DanhSachSuKienExtend;

60 │ }

61 │ }

62 │ }

63 │

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**📄 fcm\_otpmodel.cs (CS, 166 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.EntityDKKB;

3 │ using HISCustomerAPI.Services;

4 │ using Microsoft.EntityFrameworkCore;

5 │ using System.Collections.Generic;

6 │

7 │ namespace HISCustomerAPI.Models.ExModel

8 │ {

9 │ public class fcm\_otpmodel: Base<Notifications>

10 │ {

11 │ private readonly INotificationService \_notificationService;

12 │ private static int otpLength = 6;

13 │ private static int fcmLimit = 10; // Giới hạn số lần gửi OTP qua FCM mỗi tháng

14 │

15 │ public fcm\_otpmodel(DbContext dbContext, INotificationService notificationService) : base(dbContext)

16 │ {

17 │ \_notificationService = notificationService;

18 │ }

19 │

20 │ public Notifications GetItemByPhone(string phoneNumber)

21 │ {

22 │

23 │ // Sử dụng tên enum thay vì giá trị số

24 │ string otpType = Enum.GetName(typeof(NotificationType), NotificationType.OTP); // Sẽ trả về "OTP"

25 │

26 │ return First(n => n.UserPhone == phoneNumber

27 │ && n.NotificationType == otpType

28 │ && n.CreatedAt != null);

29 │ }

30 │

31 │

32 │ public bool CheckOTPValid(string phoneNumber, string OTP)

33 │ {

34 │ // Lấy thông báo OTP mới nhất của số điện thoại này

35 │ var notification = GetItemByPhone(phoneNumber);

36 │

37 │ // Kiểm tra các điều kiện cần thiết

38 │ if (notification != null && notification.CreatedAt != null && notification.Message != null)

39 │ {

40 │ // Kiểm tra thời gian hết hạn (5 phút)

41 │ if (notification.CreatedAt.Value.AddMinutes(5) > DateTime.Now)

42 │ {

43 │ // Tạo hash để so sánh, sử dụng chính xác cùng format như lúc tạo

44 │ string hashToCheck = Utility.GetSHA512(phoneNumber + notification.CreatedAt.Value.ToString("yyyyMM")...

45 │

46 │ // So sánh trực tiếp với hash đã lưu

47 │ return notification.Message.Equals(hashToCheck);

48 │ }

49 │ }

50 │ return false;

51 │ }

52 │

53 │ public bool CheckOTPNeedToRenew(string phoneNumber)

54 │ {

55 │ var notification = GetItemByPhone(phoneNumber);

56 │ if (notification != null && notification.CreatedAt != null)

57 │ {

58 │ return notification.CreatedAt.Value.AddMinutes(5) < DateTime.Now;

59 │ }

60 │ return false;

61 │ }

62 │

63 │ public async Task<int> AddOTP(string phoneNumber, string fcmToken)

64 │ {

65 │ try

66 │ {

67 │ // Tạo OTP ngẫu nhiên và lấy thời gian hiện tại

68 │ string otp = Utility.RandomNumber(otpLength);

69 │ var currentTime = DateTime.Now;

70 │

71 │ // Tạo bản ghi notification với đầy đủ thông tin

72 │ var notification = new Notifications

73 │ {

74 │ UserPhone = phoneNumber,

75 │ NotificationType = NotificationType.OTP.ToString(), // Thêm loại thông báo

76 │ Message = Utility.GetSHA512(phoneNumber + currentTime.ToString("yyyyMM") + otp),

77 │ Title = "Xác thực tài khoản",

78 │ CreatedAt = currentTime,

79 │ UpdatedAt = currentTime,

80 │ IsRead = true, // Mặc định là đọc rồi để không gửi về máy khi get unrea...

81 │ FcmToken = fcmToken, // Lưu FCM token

82 │ Data = null // Có thể thêm data nếu cần

83 │ };

84 │

85 │ // Gửi OTP qua FCM trước

86 │ var (success, messageId) = await \_notificationService.SendNotification(

87 │ fcmToken,

88 │ notification.Title,

89 │ $"Ma co hieu luc 5 phut. Ma OTP cua ban la: {otp}\ntYqP7eTEPTv"

90 │ );

91 │

92 │ if (success)

93 │ {

94 │ // Sau khi gửi FCM thành công, cập nhật MessageId

95 │ notification.MessageId = messageId;

96 │

97 │ // Lưu vào database với đầy đủ thông tin

98 │ if (Add(notification).isSuccess())

99 │ {

100 │ return ActionStatus.Success.toInt();

101 │ }

102 │ Console.WriteLine("Lỗi khi lưu notification vào database");

103 │ }

104 │ else

105 │ {

106 │ Console.WriteLine("Lỗi khi gửi FCM notification");

107 │ }

108 │

109 │ return ActionStatus.Error.toInt();

110 │ }

111 │ catch (Exception ex)

112 │ {

113 │ Console.WriteLine($"Lỗi trong quá trình tạo OTP: {ex.Message}");

114 │ return ActionStatus.Error.toInt();

115 │ }

116 │ }

117 │

118 │ public async Task<int> UpdateOTP(string phoneNumber, string fcmToken)

119 │ {

120 │ var notification = GetItemByPhone(phoneNumber);

121 │ if (notification != null)

122 │ {

123 │ string otp = Utility.RandomNumber(otpLength);

124 │ var currentTime = DateTime.Now;

125 │ string hashedOTP = Utility.GetSHA512(phoneNumber + currentTime.ToString("yyyyMM") + otp);

126 │

127 │ notification.Message = hashedOTP;

128 │ notification.CreatedAt = currentTime;

129 │ notification.UpdatedAt = currentTime;

130 │ notification.IsRead = true;

131 │

132 │ var (success, messageId) = await \_notificationService.SendNotification(

133 │ fcmToken,

134 │ "Xác thực tài khoản",

135 │ $"Ma co hieu luc 5 phut. Ma OTP cua ban la: {otp}\ntYqP7eTEPTv"

136 │ );

137 │

138 │ if (success)

139 │ {

140 │ notification.MessageId = messageId;

141 │ if (Update(notification).isSuccess())

142 │ {

143 │ return ActionStatus.Success.toInt();

144 │ }

145 │ }

146 │ return ActionStatus.Error.toInt();

147 │ }

148 │ return ActionStatus.NotExit.toInt();

149 │ }

150 │

151 │ public bool CheckOTPLimit(string phoneNumber)

152 │ {

153 │ // Sử dụng phương thức Get() từ Base class để lấy các bản ghi thỏa điều kiện

154 │ var monthlyOTPs = Get(n =>

155 │ n.UserPhone == phoneNumber

156 │ && n.NotificationType == NotificationType.OTP.ToString()

157 │ && n.CreatedAt != null

158 │ && n.CreatedAt.Value.Month == DateTime.Now.Month);

159 │

160 │ // Đếm số lượng bản ghi từ IQueryable trả về

161 │ return monthlyOTPs.Count() >= fcmLimit;

162 │ }

163 │

164 │

165 │ }

166 │ }

────────────────────────────────────────────────────────────

**📄 ksk\_DangKyModel.cs (CS, 211 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.EntityDKKB;

3 │ using Microsoft.EntityFrameworkCore;

4 │

5 │ namespace HISCustomerAPI.Models.ExModel

6 │ {

7 │ public class ksk\_DangKyModel : Base<KskDangKy>

8 │ {

9 │ public ksk\_DangKyModel(DbContext dbContext) : base(dbContext)

10 │ {

11 │

12 │ }

13 │ public KskDangKy GetItem(int Ma)

14 │ {

15 │ return First(t => t.Ma == Ma && !(t.Deleted ?? false));

16 │ }

17 │ public List<KskDangKy> GetData()

18 │ {

19 │ return Get(t => !(t.Deleted ?? false)).OrderByDescending(t => t.CreatedDate).ToList();

20 │ }

21 │

22 │ public int Add(

23 │ int MaNguoiDangKy,

24 │ int MaLoaiDangKy,

25 │ DateTime NgayDuKienKham,

26 │ bool KhamChoNguoiThan,

27 │ string HoTenBenhNhan,

28 │ DateTime NgaySinh,

29 │ int GioiTinh,

30 │ Guid MaQuocGia,

31 │ Guid MaTinh,

32 │ Guid MaHuyen,

33 │ Guid MaPhuongXa,

34 │ string SoNha,

35 │ Guid MaDanToc,

36 │ string SoTheBHYT,

37 │ string CCCD,

38 │ string LyDoKham,

39 │ Guid MaPhongKham,

40 │ Guid MaDichVu,

41 │ Guid MaBacSi,

42 │ Guid MaBenhNhan,

43 │ string CodeBenhNhan,

44 │ string DiaChi,

45 │ string SoDienThoai

46 │ )

47 │ {

48 │ using (var transaction = \_dbContext.Database.BeginTransaction())

49 │ {

50 │ int IDMaDangKyKham = 0; string QRCode = "";

51 │ try

52 │ {

53 │ //TODO: Khoá tạm để a Chiến test

54 │ //if (\_dbContext.Set<KskDangKy>().Any(t => t.MaNguoiDangKy == MaNguoiDangKy && (t.MaChuyenKhoa== MaC...

55 │ //{

56 │ // //var lst = \_dbContext.Set<KskDangKy>().Where(t => t.MaNguoiDangKy == MaNguoiDangKy && t.NgayD...

57 │ // return ActionStatus.Exit.toInt();

58 │ // //đã có đăng ký khám

59 │ //}

60 │ KskDangKy item = new KskDangKy();

61 │ item.MaNguoiDangKy = MaNguoiDangKy;

62 │ item.MaLoaiDangKy = MaLoaiDangKy;

63 │ item.NgayDuKienKham = NgayDuKienKham;

64 │ item.KhamChoNguoiThan = KhamChoNguoiThan;

65 │ item.HoTenBenhNhan = HoTenBenhNhan;

66 │ item.NgaySinh = NgaySinh;

67 │ item.GioiTinh = GioiTinh;

68 │ item.MaQuocGia = MaQuocGia;

69 │ item.MaTinh = MaTinh;

70 │ item.MaHuyen = MaHuyen;

71 │ item.MaPhuongXa = MaPhuongXa;

72 │ item.DiaChi = SoNha;

73 │ item.MaDanToc = MaDanToc;

74 │ item.SoTheBhyte = SoTheBHYT;

75 │ item.Cccd = CCCD;

76 │ item.LyDoKham = LyDoKham;

77 │ item.MaPhongKham = MaPhongKham;

78 │ item.MaDichVu = MaDichVu;

79 │ item.MaBacSiHis = MaBacSi;

80 │ item.CreatedDate = DateTime.Now;

81 │ item.MaBenhNhan = MaBenhNhan;

82 │ item.CodeBenhNhan = CodeBenhNhan;

83 │ item.DiaChi = DiaChi;

84 │ item.SoDienThoai = SoDienThoai;

85 │

86 │ \_dbContext.Add(item);

87 │ \_dbContext.SaveChanges();

88 │ IDMaDangKyKham = item.Ma;

89 │ transaction.Commit();

90 │ // thêm mới

91 │ }

92 │ catch(Exception ex)

93 │ {

94 │ transaction.Rollback();

95 │ return ActionStatus.Error.toInt();

96 │ }

97 │ return ActionStatus.Success.toInt();

98 │ }

99 │ }

100 │

101 │ public int Update(

102 │ int Ma,

103 │ int MaNguoiDangKy,

104 │ int MaLoaiDangKy,

105 │ DateTime NgayDuKienKham,

106 │ bool KhamChoNguoiThan,

107 │ string HoTenBenhNhan,

108 │ DateTime NgaySinh,

109 │ int GioiTinh,

110 │ Guid MaQuocGia,

111 │ Guid MaTinh,

112 │ Guid MaHuyen,

113 │ Guid MaPhuongXa,

114 │ string SoNha,

115 │ Guid MaDanToc,

116 │ string SoTheBHYT,

117 │ string CCCD,

118 │ string LyDoKham,

119 │ Guid MaPhongKham,

120 │ Guid MaDichVu,

121 │ Guid MaBacSi,

122 │ Guid MaBenhNhan,

123 │ string CodeBenhNhan,

124 │ string DiaChi,

125 │ string SoDienThoai

126 │ )

127 │ {

128 │ using (var transaction = \_dbContext.Database.BeginTransaction())

129 │ {

130 │ try

131 │ {

132 │ // Tìm đăng ký khám cần cập nhật

133 │ var item = \_dbContext.Set<KskDangKy>().FirstOrDefault(t => t.Ma == Ma && !(t.Deleted ?? false));

134 │

135 │ if (item == null)

136 │ {

137 │ return ActionStatus.NotExit.toInt();

138 │ }

139 │

140 │ // Cập nhật thông tin

141 │ item.MaNguoiDangKy = MaNguoiDangKy;

142 │ item.MaLoaiDangKy = MaLoaiDangKy;

143 │ item.NgayDuKienKham = NgayDuKienKham;

144 │ item.KhamChoNguoiThan = KhamChoNguoiThan;

145 │ item.HoTenBenhNhan = HoTenBenhNhan;

146 │ item.NgaySinh = NgaySinh;

147 │ item.GioiTinh = GioiTinh;

148 │ item.MaQuocGia = MaQuocGia;

149 │ item.MaTinh = MaTinh;

150 │ item.MaHuyen = MaHuyen;

151 │ item.MaPhuongXa = MaPhuongXa;

152 │ item.DiaChi = DiaChi;

153 │ item.MaDanToc = MaDanToc;

154 │ item.SoTheBhyte = SoTheBHYT;

155 │ item.Cccd = CCCD;

156 │ item.LyDoKham = LyDoKham;

157 │ item.MaPhongKham = MaPhongKham;

158 │ item.MaDichVu = MaDichVu;

159 │ item.MaBacSiHis = MaBacSi;

160 │ item.ModifiedDate = DateTime.Now;

161 │ item.MaBenhNhan = MaBenhNhan;

162 │ item.CodeBenhNhan = CodeBenhNhan;

163 │ item.SoDienThoai = SoDienThoai;

164 │

165 │ \_dbContext.Update(item);

166 │ \_dbContext.SaveChanges();

167 │

168 │ transaction.Commit();

169 │ return ActionStatus.Success.toInt();

170 │ }

171 │ catch (Exception ex)

172 │ {

173 │ transaction.Rollback();

174 │ return ActionStatus.Error.toInt();

175 │ }

176 │ }

177 │ }

178 │

179 │ public int Delete(int Ma)

180 │ {

181 │ using (var transaction = \_dbContext.Database.BeginTransaction())

182 │ {

183 │ try

184 │ {

185 │ // Tìm đăng ký khám cần xóa

186 │ var item = \_dbContext.Set<KskDangKy>().FirstOrDefault(t => t.Ma == Ma && !(t.Deleted ?? false));

187 │

188 │ if (item == null)

189 │ {

190 │ return ActionStatus.NotExit.toInt();

191 │ }

192 │

193 │ // Xóa logic (soft delete)

194 │ item.Deleted = true;

195 │ item.DeletedDate = DateTime.Now;

196 │

197 │ \_dbContext.Update(item);

198 │ \_dbContext.SaveChanges();

199 │

200 │ transaction.Commit();

201 │ return ActionStatus.Success.toInt();

202 │ }

203 │ catch (Exception ex)

204 │ {

205 │ transaction.Rollback();

206 │ return ActionStatus.Error.toInt();

207 │ }

208 │ }

209 │ }

210 │ }

211 │ }

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**📄 ksk\_NguoiDangKyModel.cs (CS, 178 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Common.Constants;

3 │ using HISCustomerAPI.Controllers;

4 │ using HISCustomerAPI.Models.EntityDKKB;

5 │ using Microsoft.EntityFrameworkCore;

6 │

7 │ namespace HISCustomerAPI.Models.ExModel

8 │ {

9 │ public class ksk\_NguoiDangKyModel : Base<KskNguoiDangKy>

10 │ {

11 │ public ksk\_NguoiDangKyModel(DbContext dbContext) : base(dbContext)

12 │ {

13 │

14 │ }

15 │ public KskNguoiDangKy GetItem(int Ma)

16 │ {

17 │ return First(t => t.Id == Ma && !(t.Deleted ?? false));

18 │ }

19 │ public List<KskNguoiDangKy> GetData()

20 │ {

21 │ return Get(t => !(t.Deleted ?? false)).OrderByDescending(t => t.Id).ToList();

22 │ }

23 │

24 │

25 │ public KskNguoiDangKy GetItemByPhone(string numberPhone)

26 │ {

27 │ return First(t => t.Username == numberPhone && !(t.Deleted ?? false));

28 │ }

29 │

30 │ public (int, KskNguoiDangKy?) Authenticate(string username, string password)

31 │ {

32 │ var result = First(t => (t.Username ?? "").Equals(username) && (t.Password ?? "").Equals(Utility.GetSHA512(A...

33 │ return ((int)(result != null ? ((result.Status ?? false) ? ActionStatus.Success : ActionStatus.Disable) : Ac...

34 │ }

35 │

36 │

37 │ public int Add(string Username, string Password, string HinhAnh, string HoTen, DateTime? NgaySinh, int GioiTinh,...

38 │ Guid MaTinh, Guid MaHuyen, Guid MaPhuongXa, Guid MaApKhuPho, string SoNha, int QuocTich, string HoChieu, str...

39 │ string HinhBhyt, Guid MaDanToc)

40 │ {

41 │ using var transaction = \_dbContext.Database.BeginTransaction();

42 │ int Ma = 0;

43 │ try

44 │ {

45 │ KskNguoiDangKy item = new KskNguoiDangKy();

46 │ item.Username = Username;

47 │ item.Password = Utility.GetSHA512(AppConstants.DKKB\_PASSCODE + Username + Password);

48 │ item.HinhAnh = HinhAnh;

49 │ item.HoTen = HoTen;

50 │ item.NgaySinh = NgaySinh;

51 │ item.GioiTinh = GioiTinh;

52 │ item.MaQuocGia = MaQuocGia;

53 │ item.MaTinh = MaTinh;

54 │ item.MaHuyen = MaHuyen;

55 │ item.MaPhuongXa = MaPhuongXa;

56 │ item.MaApKhuPho = MaApKhuPho;

57 │ item.SoNha = SoNha;

58 │ item.QuocTich = QuocTich;

59 │ item.HoChieu = HoChieu;

60 │ item.MaTheBhyt = MaTheBhyt;

61 │ item.HinhBhyt = HinhBhyt;

62 │ item.MaDanToc = MaDanToc;

63 │ item.Status = Status.Active.isActive();

64 │ item.CreatedDate = DateTime.Now;

65 │

66 │ \_dbContext.Add(item);

67 │ \_dbContext.SaveChanges();

68 │ Ma = item.Id;

69 │ transaction.Commit();

70 │ // thêm mới

71 │ }

72 │ catch

73 │ {

74 │ transaction.Rollback();

75 │ return ActionStatus.Error.toInt();

76 │ }

77 │ return Ma;// ActionStatus.Success.toInt();

78 │ }

79 │

80 │ public int ResetPassword(string Username, string OldPassword, string NewPassword, int UserID)

81 │ {

82 │ using var transaction = \_dbContext.Database.BeginTransaction();

83 │ try

84 │ {

85 │ KskNguoiDangKy item = First(t => t.Username == Username && !(t.Deleted ?? false));

86 │ if (item == null)

87 │ {

88 │ return ActionStatus.NotExit.toInt();

89 │ }

90 │ if (item.Password != Utility.GetSHA512(AppConstants.DKKB\_PASSCODE + Username + OldPassword))

91 │ {

92 │ return ActionStatus.NotMatch.toInt();

93 │ }

94 │ item.Password = Utility.GetSHA512(AppConstants.DKKB\_PASSCODE + Username + NewPassword);

95 │ item.UserModified = UserID;

96 │ item.ModifiedDate = DateTime.Now;

97 │

98 │ \_dbContext.Update(item);

99 │ \_dbContext.SaveChanges();

100 │ transaction.Commit();

101 │ }

102 │ catch

103 │ {

104 │ transaction.Rollback();

105 │ return ActionStatus.Error.toInt();

106 │ }

107 │ return ActionStatus.Success.toInt();

108 │ }

109 │

110 │ public int ResetForgotPassword(string Username, string Password)

111 │ {

112 │ using var transaction = \_dbContext.Database.BeginTransaction();

113 │ try

114 │ {

115 │ KskNguoiDangKy item = First(t => t.Username == Username && !(t.Deleted ?? false));

116 │ if (item == null)

117 │ {

118 │ return ActionStatus.NotExit.toInt();

119 │ }

120 │ item.Password = Utility.GetSHA512(AppConstants.DKKB\_PASSCODE + Username + Password);

121 │ item.ModifiedDate = DateTime.Now;

122 │

123 │ \_dbContext.Update(item);

124 │ \_dbContext.SaveChanges();

125 │ transaction.Commit();

126 │ }

127 │ catch

128 │ {

129 │ transaction.Rollback();

130 │ return ActionStatus.Error.toInt();

131 │ }

132 │ return ActionStatus.Success.toInt();

133 │ }

134 │

135 │ public int Update(string Username, string HinhAnh, string HoTen, DateTime? NgaySinh, int GioiTinh, Guid MaQuocGi...

136 │ Guid MaTinh, Guid MaHuyen, Guid MaPhuongXa, Guid MaApKhuPho, string SoNha, int QuocTich, string HoChieu, str...

137 │ string HinhBhyt, Guid MaDanToc, int Status, int UserID)

138 │ {

139 │ using var transaction = \_dbContext.Database.BeginTransaction();

140 │ try

141 │ {

142 │ KskNguoiDangKy item = First(t => t.Username == Username && !(t.Deleted ?? false));

143 │ if (item == null)

144 │ {

145 │ return ActionStatus.NotExit.toInt();

146 │ }

147 │ item.HinhAnh = HinhAnh;

148 │ item.HoTen = HoTen;

149 │ item.NgaySinh = NgaySinh ?? item.NgaySinh;

150 │ item.GioiTinh = GioiTinh;

151 │ item.MaQuocGia = MaQuocGia;

152 │ item.MaTinh = MaTinh;

153 │ item.MaHuyen = MaHuyen;

154 │ item.MaPhuongXa = MaPhuongXa;

155 │ item.MaApKhuPho = MaApKhuPho;

156 │ item.SoNha = SoNha;

157 │ item.QuocTich = QuocTich;

158 │ item.HoChieu = HoChieu;

159 │ item.MaTheBhyt = MaTheBhyt;

160 │ item.HinhBhyt = HinhBhyt;

161 │ item.MaDanToc = MaDanToc;

162 │ item.Status = Status.isActive();

163 │ item.UserModified = UserID;

164 │ item.ModifiedDate = DateTime.Now;

165 │

166 │ \_dbContext.Update(item);

167 │ \_dbContext.SaveChanges();

168 │ transaction.Commit();

169 │ }

170 │ catch

171 │ {

172 │ transaction.Rollback();

173 │ return ActionStatus.Error.toInt();

174 │ }

175 │ return ActionStatus.Success.toInt();

176 │ }

177 │ }

178 │ }

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**📄 ser\_ChuyenKhoaModel.cs (CS, 79 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.EntityDKKB;

3 │ using Microsoft.EntityFrameworkCore;

4 │

5 │ namespace HISCustomerAPI.Models.ExModel

6 │ {

7 │ public class ser\_ChuyenKhoaModel : Base<SerChuyenKhoa>

8 │ {

9 │ public ser\_ChuyenKhoaModel(DbContext dbContext) : base(dbContext)

10 │ {

11 │

12 │ }

13 │ public SerChuyenKhoa GetItem(int Ma)

14 │ {

15 │ return First(t => t.Ma == Ma);

16 │ }

17 │ public List<SerChuyenKhoa> GetData()

18 │ {

19 │ return Get(t => true).OrderByDescending(t => t.Ma).ToList();

20 │ }

21 │

22 │ public int Add(string MaChuyenKhoaHis, string MaPhongKhamHis, string Ten, int Status, int UserID)

23 │ {

24 │ using var transaction = \_dbContext.Database.BeginTransaction();

25 │ try

26 │ {

27 │ SerChuyenKhoa item = new SerChuyenKhoa();

28 │ item.MaChuyenKhoaHis = MaChuyenKhoaHis;

29 │ item.MaPhongKhamHis = MaPhongKhamHis;

30 │ item.Ten = Ten;

31 │ item.Status = Status.isActive();

32 │ item.UserCreated = UserID;

33 │ item.CreatedDate = DateTime.Now;

34 │

35 │ \_dbContext.Add(item);

36 │ \_dbContext.SaveChanges();

37 │ transaction.Commit();

38 │ // thêm mới

39 │ }

40 │ catch

41 │ {

42 │ transaction.Rollback();

43 │ return ActionStatus.Error.toInt();

44 │ }

45 │ return ActionStatus.Success.toInt();

46 │ }

47 │

48 │ public int Update(int Ma, string MaChuyenKhoaHis, string MaPhongKhamHis, string Ten, int Status, int UserID)

49 │ {

50 │ using var transaction = \_dbContext.Database.BeginTransaction();

51 │ try

52 │ {

53 │ SerChuyenKhoa item = First(t => t.Ma == Ma);

54 │ if (item == null)

55 │ {

56 │ return ActionStatus.NotExit.toInt();

57 │ }

58 │ item.Ma = Ma;

59 │ item.MaChuyenKhoaHis = MaChuyenKhoaHis;

60 │ item.MaPhongKhamHis = MaPhongKhamHis;

61 │ item.Ten = Ten;

62 │ item.Status = Status.isActive();

63 │ item.UserModified = UserID;

64 │ item.ModifiedDate = DateTime.Now;

65 │

66 │ \_dbContext.Update(item);

67 │ \_dbContext.SaveChanges();

68 │ transaction.Commit();

69 │ // thêm mới

70 │ }

71 │ catch

72 │ {

73 │ transaction.Rollback();

74 │ return ActionStatus.Error.toInt();

75 │ }

76 │ return ActionStatus.Success.toInt();

77 │ }

78 │ }

79 │ }

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**📄 ser\_DichVuKhamModel.cs (CS, 93 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.EntityDKKB;

3 │ using Microsoft.EntityFrameworkCore;

4 │

5 │ namespace HISCustomerAPI.Models.ExModel

6 │ {

7 │ public class ser\_DichVuKhamModel : Base<SerDichVuKham>

8 │ {

9 │ public ser\_DichVuKhamModel(DbContext dbContext) : base(dbContext)

10 │ {

11 │

12 │ }

13 │ public SerDichVuKham GetItem(int Ma)

14 │ {

15 │ return First(t => t.Ma == Ma);

16 │ }

17 │ public List<SerDichVuKham> GetData()

18 │ {

19 │ return Get(t => true).OrderByDescending(t => t.Ma).ToList();

20 │ }

21 │

22 │ public int Add(int MaHis, int MaNhom, int MaDoiTuong, string Ten1, string Ten2, string Ten3, int Gia1, int Gia2,...

23 │ {

24 │ using var transaction = \_dbContext.Database.BeginTransaction();

25 │ try

26 │ {

27 │ SerDichVuKham item = new SerDichVuKham();

28 │ item.MaHis = MaHis;

29 │ item.MaNhom = MaNhom;

30 │ item.MaDoiTuong = MaDoiTuong;

31 │ item.Ten1 = Ten1;

32 │ item.Ten2 = Ten2;

33 │ item.Ten3 = Ten3;

34 │ item.Gia1 = Gia1;

35 │ item.Gia2 = Gia2;

36 │ item.Gia3 = Gia3;

37 │

38 │ item.Status = Status.isActive();

39 │ item.UserCreated = UserID;

40 │ item.CreatedDate = DateTime.Now;

41 │

42 │ \_dbContext.Add(item);

43 │ \_dbContext.SaveChanges();

44 │ transaction.Commit();

45 │ // thêm mới

46 │ }

47 │ catch

48 │ {

49 │ transaction.Rollback();

50 │ return ActionStatus.Error.toInt();

51 │ }

52 │ return ActionStatus.Success.toInt();

53 │ }

54 │

55 │ public int Update(int Ma, int MaHis, int MaNhom, int MaDoiTuong, string Ten1, string Ten2, string Ten3, int Gia1...

56 │ {

57 │ using var transaction = \_dbContext.Database.BeginTransaction();

58 │ try

59 │ {

60 │ SerDichVuKham item = First(t => t.Ma == Ma);

61 │ if (item == null)

62 │ {

63 │ return ActionStatus.NotExit.toInt();

64 │ }

65 │ item.Ma = Ma;

66 │ item.MaHis = MaHis;

67 │ item.MaNhom = MaNhom;

68 │ item.MaDoiTuong = MaDoiTuong;

69 │ item.Ten1 = Ten1;

70 │ item.Ten2 = Ten2;

71 │ item.Ten3 = Ten3;

72 │ item.Gia1 = Gia1;

73 │ item.Gia2 = Gia2;

74 │ item.Gia3 = Gia3;

75 │

76 │ item.Status = Status.isActive();

77 │ item.UserModified = UserID;

78 │ item.ModifiedDate = DateTime.Now;

79 │

80 │ \_dbContext.Update(item);

81 │ \_dbContext.SaveChanges();

82 │ transaction.Commit();

83 │ // thêm mới

84 │ }

85 │ catch

86 │ {

87 │ transaction.Rollback();

88 │ return ActionStatus.Error.toInt();

89 │ }

90 │ return ActionStatus.Success.toInt();

91 │ }

92 │ }

93 │ }

────────────────────────────────────────────────────────────

**📄 sms\_OTPModel.cs (CS, 137 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.EntityDKKB;

3 │ using Microsoft.EntityFrameworkCore;

4 │ using System.Runtime.CompilerServices;

5 │

6 │ namespace HISCustomerAPI.Models.ExModel

7 │ {

8 │ public class sms\_OTPModel : Base<SmsOtp>

9 │ {

10 │ private static int otpLength = 6;

11 │ private static int smsLimit = 3;

12 │ public sms\_OTPModel(DbContext dbContext) : base(dbContext)

13 │ {

14 │ }

15 │ public SmsOtp GetItem(int ID)

16 │ {

17 │ return First(t => t.Id == ID);

18 │ }

19 │ public SmsOtp GetItemByPhone(string phoneNumber)

20 │ {

21 │ return First(t => t.Sdt == phoneNumber);

22 │ }

23 │

24 │ public bool CheckOTPVaild(string phoneNumber, string OTP)

25 │ {

26 │ SmsOtp s = GetItemByPhone(phoneNumber);

27 │ if (s != null && s.CreateDate != null && s.Otp != null)

28 │ {

29 │ if (s.CreateDate.Value.AddMinutes(5) > DateTime.Now)

30 │ {

31 │ // Dùng CreateDate thay vì DateTime.Now

32 │ string hashToCheck = Utility.GetSHA512(phoneNumber + s.CreateDate.Value.ToString("yyyyMM") + OTP);

33 │ return s.Otp.Equals(hashToCheck);

34 │ }

35 │ }

36 │ return false;

37 │ }

38 │

39 │

40 │ public bool CheckOTPNeedToRenew(string phoneNumber)

41 │ {

42 │ SmsOtp s = GetItemByPhone(phoneNumber);

43 │

44 │ if (s != null && s.CreateDate != null)

45 │ {

46 │ if (s.CreateDate.Value.AddMinutes(5) < DateTime.Now)

47 │ {

48 │ return true;

49 │ }

50 │ }

51 │ return false;

52 │ }

53 │ public bool CheckPhoneExist(string phoneNumber)

54 │ {

55 │ return (GetItemByPhone(phoneNumber) != null);

56 │ }

57 │ public int AddOTP(string phoneNumber)

58 │ {

59 │ string otp = Utility.RandomNumber(otpLength);

60 │ SmsOtp s = new SmsOtp

61 │ {

62 │ Sdt = phoneNumber,

63 │ Otp = Utility.GetSHA512(phoneNumber + DateTime.Now.ToString("yyyyMM") + otp),

64 │ CreateDate = DateTime.Now

65 │ };

66 │ if (Add(s).isSuccess())

67 │ {

68 │ \_ = SMSController.sendSMS(phoneNumber, "Ma nay co hieu luc 5 phut. Ma OTP xac thuc tai khoan BV Hong Hun...

69 │ return ActionStatus.Success.toInt();

70 │ }

71 │ return 0;

72 │ }

73 │ public int UpdateOTP(string phoneNumber)

74 │ {

75 │ string otp = Utility.RandomNumber(otpLength);

76 │ SmsOtp s = GetItemByPhone(phoneNumber);

77 │ if (s != null)

78 │ {

79 │ s.Otp = Utility.GetSHA512(phoneNumber + DateTime.Now.ToString("yyyyMM") + otp);

80 │ s.CreateDate = DateTime.Now;

81 │ if (Update(s).isSuccess())

82 │ {

83 │ \_ = SMSController.sendSMS(phoneNumber, "Ma nay co hieu luc 5 phut. Ma OTP xac thuc tai khoan BV Hong...

84 │ return ActionStatus.Success.toInt();

85 │ }

86 │ return ActionStatus.Error.toInt();

87 │ }

88 │

89 │ return ActionStatus.NotExit.toInt();

90 │ }

91 │ public int RemoveOTP(string phoneNumber)

92 │ {

93 │ SmsOtp s = GetItemByPhone(phoneNumber);

94 │ if (s != null)

95 │ {

96 │ s.CreateDate = DateTime.Now.AddMinutes(-5);

97 │ if (Update(s).isSuccess())

98 │ {

99 │ return ActionStatus.Success.toInt();

100 │ }

101 │ return ActionStatus.Error.toInt();

102 │ }

103 │

104 │ return ActionStatus.Error.toInt();

105 │ }

106 │ public bool CheckOTPLimit(string phoneNumber)

107 │ {

108 │ SmsOtp s = GetItemByPhone(phoneNumber);

109 │ if (s != null && s.CreateDate != null)

110 │ {

111 │ try

112 │ {

113 │ if (s.CreateDate.Value.Month == DateTime.Now.Month && Cast.ToInt(s.NumberRequest ?? 0) >= smsLimit)

114 │ {

115 │ return true;

116 │ }

117 │ }

118 │ catch (Exception e)

119 │ {

120 │

121 │ }

122 │ }

123 │ return false;

124 │ }

125 │

126 │ public bool CheckUsing(int Ma)

127 │ {

128 │ return false;

129 │ //SmsOtp? item = \_dbContext.Set<SmsOtp>().FirstOrDefault(t => (t.Id ) == Ma && !(t.Deleted ?? false));

130 │ //if (item != null)

131 │ //{

132 │ // return true;

133 │ //}

134 │ //return false;

135 │ }

136 │ }

137 │ }

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**📄 sys\_UserModel.cs (CS, 315 lines)**

1 │ ﻿using HISCustomerAPI.Common;

2 │ using HISCustomerAPI.Models.Entity;

3 │ using HISCustomerAPI.Models.EntityDKKB;

4 │ using Microsoft.EntityFrameworkCore;

5 │

6 │ namespace HISCustomerAPI.Models.ExModel

7 │ {

8 │ public class sys\_UserModel : Base<SysUser>

9 │ {

10 │ public sys\_UserModel(DbContext dbContext) : base(dbContext)

11 │ {

12 │ }

13 │

14 │ public SysUser GetItem(Guid? UserID)

15 │ {

16 │ return First(t => t.Ma == UserID && !(t.Deleted ?? false));

17 │ }

18 │

19 │ public (int, SysUser?) Authenticate(string Username, string Password)

20 │ {

21 │ SysUser OutUser = First(t => t.Username == Username && !(t.Deleted ?? false));

22 │ bool bUsingLdap = false, bLdapLoginIsSuccess = false;

23 │ int iLdapLoginStatus = -2;

24 │ if (OutUser != null)

25 │ {

26 │ if (!(OutUser.Status ?? false))

27 │ {

28 │ return (0, null);

29 │ }

30 │

31 │ bUsingLdap = OutUser.LdapLogin ?? false;

32 │ if (bUsingLdap)

33 │ {

34 │ iLdapLoginStatus = 0;//LDAP.IsAuthenticated(Username, Password);

35 │ bLdapLoginIsSuccess = iLdapLoginStatus == 1;

36 │ if (bLdapLoginIsSuccess)

37 │ {

38 │ return (iLdapLoginStatus, OutUser);

39 │ }

40 │ }

41 │ OutUser = First(u => \_dbContext.Set<SysUserRole>().Any(ur => ur.UserId == u.Ma

42 │ && (ur.Status ?? false) && !(ur.Deleted ?? false))

43 │ && (u.Status ?? false) && !(u.Deleted ?? false) && u.Username == Username

44 │ && (bUsingLdap ? bLdapLoginIsSuccess : u.Password == Utility.GetSHA512(Password)));

45 │ return (OutUser != null ? 1 : -1, OutUser);

46 │ }

47 │ return (-1, null);

48 │ }

49 │ public (int, SysUser?) AuthenticateSDT(string sdt, string Password)

50 │ {

51 │ SysUser OutUser = First(t => t.SoDienThoai == sdt && !(t.Deleted ?? false));

52 │ bool bUsingLdap = false, bLdapLoginIsSuccess = false;

53 │ int iLdapLoginStatus = -2;

54 │ if (OutUser != null)

55 │ {

56 │ if (!(OutUser.Status ?? false))

57 │ {

58 │ return (0, null);

59 │ }

60 │

61 │ bUsingLdap = OutUser.LdapLogin ?? false;

62 │ if (bUsingLdap)

63 │ {

64 │ iLdapLoginStatus = 0;//LDAP.IsAuthenticated(Username, Password);

65 │ bLdapLoginIsSuccess = iLdapLoginStatus == 1;

66 │ if (bLdapLoginIsSuccess)

67 │ {

68 │ return (iLdapLoginStatus, OutUser);

69 │ }

70 │ }

71 │ OutUser = First(u => \_dbContext.Set<SysUserRole>().Any(ur => ur.UserId == u.Ma

72 │ && (ur.Status ?? false) && !(ur.Deleted ?? false))

73 │ && (u.Status ?? false) && !(u.Deleted ?? false) && u.SoDienThoai == sdt

74 │ && (bUsingLdap ? bLdapLoginIsSuccess : u.Password == Utility.GetSHA512(Password)));

75 │ return (OutUser != null ? 1 : -1, OutUser);

76 │ }

77 │ return (-1, null);

78 │ }

79 │

80 │ public List<SysUser> GetData()

81 │ {

82 │ return Get(t => !(t.Deleted ?? false)).OrderByDescending(t => t.CreatedDate).ToList();

83 │ }

84 │ private bool CheckExists(Guid ID, string Username)

85 │ {

86 │ return Any(t => t.Ma != ID && t.Username == Username && !(t.Deleted ?? false));

87 │ }

88 │ public int Edit(

89 │ Guid ID,

90 │ string Username,

91 │ string FullName,

92 │ int GioiTinh,

93 │ DateTime NgaySinh,

94 │ string SoDienThoai,

95 │ string DiaChi,

96 │ string MSNV,

97 │ Guid? MaPhongBan,

98 │ Guid? MaChucDanh,

99 │ Guid? MaChucVu,

100 │ string CCCD,

101 │ string MaDinhDanh,

102 │ DateTime NgayVaoLam,

103 │ DateTime? NgayKetThuc,

104 │ string Photo, bool Status,

105 │ Guid? UserID,

106 │ Guid? MaKhucVuc,

107 │ string QuayTiepNhan,

108 │ string PhongKhamChucNang,

109 │ string PhongKhamDieuTri,

110 │ string CCHN,

111 │ Guid? MaPhongBanKiemNhiem,

112 │ string KhuVuc,

113 │ string BHXH,

114 │ string DoctorProfile,

115 │ string STTQuay

116 │ )

117 │ {

118 │ if (CheckExists(ID, Username))

119 │ {

120 │ return -3;

121 │ }

122 │

123 │ SysUser userUpdate = GetItem(ID);

124 │

125 │ if (userUpdate != null)

126 │ {

127 │ userUpdate.Username = Username;

128 │ userUpdate.FullName = FullName;

129 │ userUpdate.GioiTinh = GioiTinh;

130 │ userUpdate.NgaySinh = NgaySinh;

131 │ userUpdate.MaPhongBan = MaPhongBan;

132 │ userUpdate.MaPhongBanKiemNhiem = MaPhongBanKiemNhiem;

133 │ userUpdate.SoDienThoai = SoDienThoai;

134 │ userUpdate.DiaChi = DiaChi;

135 │ userUpdate.Msnv = MSNV;

136 │ userUpdate.MaChucDanh = MaChucDanh;

137 │ userUpdate.MaChucVu = MaChucVu;

138 │ userUpdate.Cccd = CCCD;

139 │ userUpdate.Msnv = MSNV;

140 │ userUpdate.MaDinhDanh = MaDinhDanh;

141 │ userUpdate.NgayVaoLam = NgayVaoLam;

142 │ userUpdate.NgayKetThuc = NgayKetThuc;

143 │ userUpdate.HinhAnh = Photo != "" ? Photo : userUpdate.HinhAnh;

144 │ userUpdate.Status = Status;

145 │ userUpdate.UserModified = UserID;

146 │ userUpdate.ModifiedDate = DateTime.Now;

147 │ userUpdate.MaKhuVuc = MaKhucVuc;

148 │ userUpdate.KhuVuc = KhuVuc;

149 │ userUpdate.QuayTiepNhan = QuayTiepNhan;

150 │ userUpdate.MaPhongKhamChucNang = PhongKhamChucNang;

151 │ userUpdate.PhongKhamDieuTri = PhongKhamDieuTri;

152 │ userUpdate.Cchn = CCHN;

153 │ userUpdate.MaSoBhxh = BHXH;

154 │ userUpdate.DoctorProfile = DoctorProfile;

155 │ userUpdate.SttQuay = STTQuay;

156 │ try

157 │ {

158 │ return Update(userUpdate);

159 │ }

160 │ catch (Exception ex)

161 │ {

162 │ string ss = ex.Message;

163 │ return 0;

164 │ }

165 │

166 │ }

167 │ return -2;

168 │ }

169 │

170 │ public (int, string) UpdateAvatar(Guid ID, string HinhAnh)

171 │ {

172 │ SysUser userUpdate = GetItem(ID);

173 │

174 │ if (userUpdate != null)

175 │ {

176 │ userUpdate.HinhAnh = HinhAnh != "" ? HinhAnh : userUpdate.HinhAnh;

177 │ return (Update(userUpdate), userUpdate.HinhAnh ?? "");

178 │ }

179 │ return (-2, "");

180 │ }

181 │

182 │ public int Add(

183 │ string Username,

184 │ string FullName,

185 │ string Password,

186 │ int GioiTinh,

187 │ DateTime NgaySinh,

188 │ string SoDienThoai,

189 │ string DiaChi,

190 │ string MSNV,

191 │ Guid? MaPhongBan,

192 │ Guid? MaChucDanh,

193 │ Guid? MaChucVu,

194 │ string CCCD,

195 │ string MaDinhDanh,

196 │ DateTime NgayVaoLam,

197 │ DateTime? NgayKetThuc,

198 │ string Photo,

199 │ bool Status,

200 │ Guid? UserID,

201 │ Guid? MaKhucVuc,

202 │ string QuayTiepNhan,

203 │ string PhongKhamChucNang,

204 │ string PhongKhamDieuTri,

205 │ string CCHN,

206 │ Guid? MaPhongBanKiemNhiem,

207 │ string KhuVuc,

208 │ string BHXH,

209 │ string DoctorProfile,

210 │ string STTQuay

211 │ )

212 │ {

213 │ if (CheckExists(Utility.defaultUID, Username))

214 │ {

215 │ return -3;

216 │ }

217 │ SysUser userAdd = new SysUser

218 │ {

219 │ Username = Username,

220 │ Password = Utility.GetSHA512(Password),

221 │ FullName = FullName,

222 │ GioiTinh = GioiTinh,

223 │ NgaySinh = NgaySinh,

224 │ SoDienThoai = SoDienThoai,

225 │ DiaChi = DiaChi,

226 │ Msnv = MSNV,

227 │ MaPhongBan = MaPhongBan,

228 │ MaPhongBanKiemNhiem = MaPhongBanKiemNhiem,

229 │ MaChucDanh = MaChucDanh,

230 │ MaChucVu = MaChucVu,

231 │ Cccd = CCCD,

232 │ MaDinhDanh = MaDinhDanh,

233 │ NgayVaoLam = NgayVaoLam,

234 │ NgayKetThuc = NgayKetThuc,

235 │ Status = Status,

236 │ UserCreated = UserID,

237 │ CreatedDate = DateTime.Now,

238 │ HinhAnh = Photo ?? "/images/avatar.png",

239 │ MaKhuVuc = MaKhucVuc,

240 │ KhuVuc = KhuVuc,

241 │ QuayTiepNhan = QuayTiepNhan,

242 │ MaPhongKhamChucNang = PhongKhamChucNang,

243 │ PhongKhamDieuTri = PhongKhamDieuTri,

244 │ Cchn = CCHN,

245 │ MaSoBhxh = BHXH,

246 │ DoctorProfile = DoctorProfile,

247 │ SttQuay = STTQuay

248 │ };

249 │ return Add(userAdd);

250 │ }

251 │

252 │ public int Delete(Guid ID, Guid UserID)

253 │ {

254 │ SysUser drU = GetItem(ID);

255 │

256 │ if (drU != null)

257 │ {

258 │ //Check children

259 │ SysUserRole? drUR = \_dbContext.Set<SysUserRole>().FirstOrDefault(t => t.UserId == ID && !(t.Deleted ?? f...

260 │

261 │ if (drUR != null)

262 │ {

263 │ return -1;

264 │ }

265 │ else

266 │ {

267 │ drU.Deleted = true;

268 │ drU.DeletedDate = DateTime.Now;

269 │ drU.UserDeleted = UserID;

270 │ return Update(drU);

271 │ }

272 │ }

273 │

274 │ return -2;

275 │ }

276 │

277 │ public int ResetPassword(Guid ID, string Password)

278 │ {

279 │ SysUser drU = GetItem(ID);

280 │ if (drU != null)

281 │ {

282 │ drU.Password = Utility.GetSHA512(Password);

283 │ return Update(drU);

284 │ }

285 │

286 │ return -1;

287 │ }

288 │

289 │ public int ChangePassword(Guid ID, string OldPassword, string NewPassword)

290 │ {

291 │ SysUser drU = GetItem(ID);

292 │

293 │ if (drU != null)

294 │ {

295 │ if (drU.Password == Utility.GetSHA512(OldPassword))

296 │ return ResetPassword(ID, NewPassword);

297 │ return -2;

298 │ }

299 │

300 │ return -1;

301 │ }

302 │

303 │ public static SysUser? ConvertDkkUserToSysUser(DkkUser? model)

304 │ {

305 │ if (model == null) return null;

306 │

307 │ return new SysUser

308 │ {

309 │ Ma = model.Ma,

310 │ FullName = model.FullName ?? "", // Thêm null coalescing để tránh null

311 │ LinkAnhCkdt = model.LinkAnhCkdt ?? "", // Thêm null coalescing để tránh null

312 │ };

313 │ }

314 │ }

315 │ }