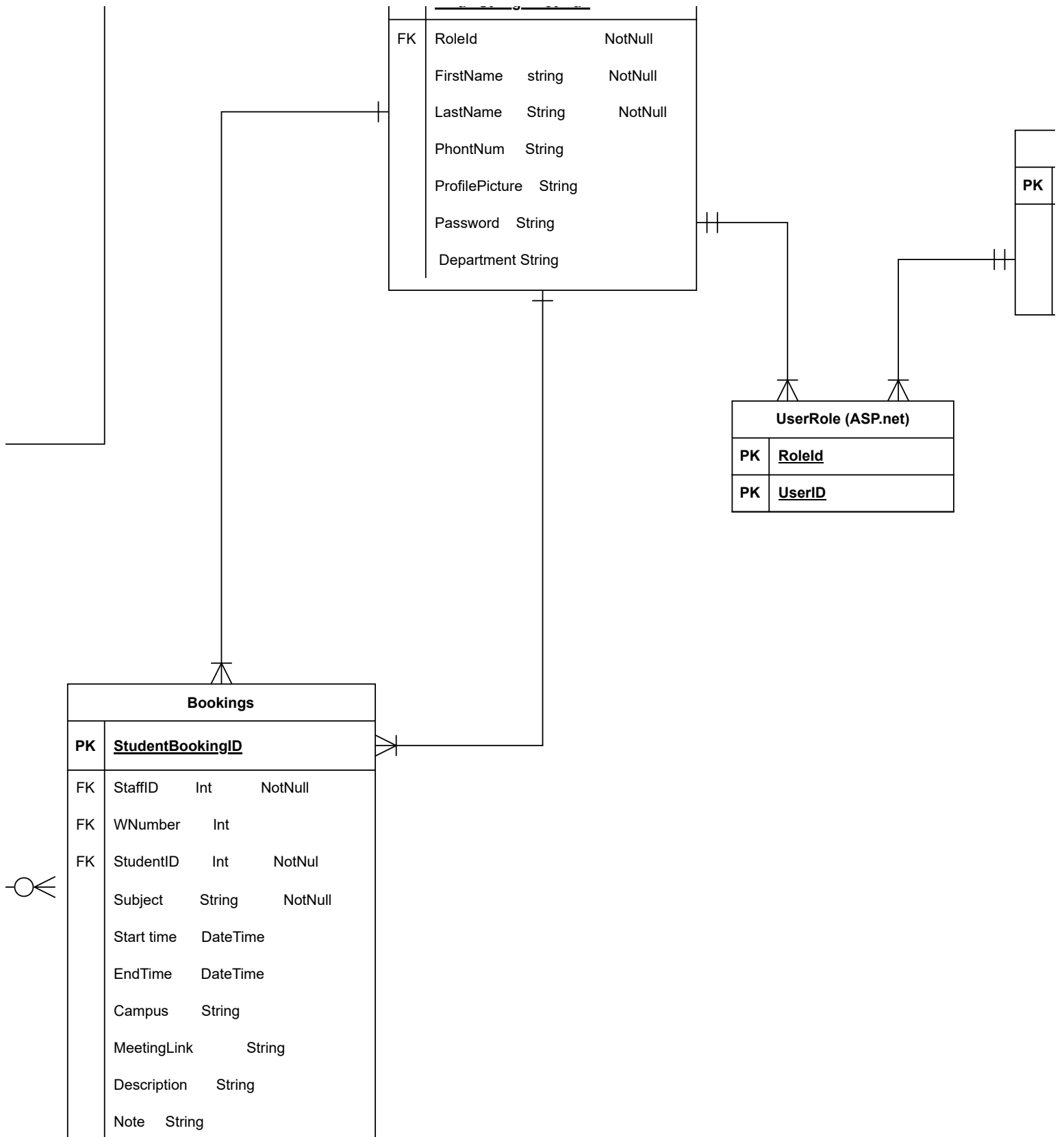




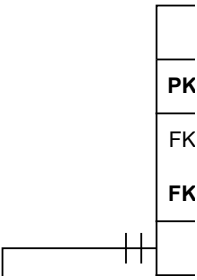
Availability	
PK	<u>TeacherAvailabilityID int not NULL</u>
FK	StaffID Int
FK	LocaitonID Int
	DayOfWeek Int
	StartTime DateTime
	EndTime DateTime
	Recurring bool
	RecuringType int
	RecurringEndDate DateTime

Location	
PK	<u>LocationID int</u>
	LocationName String
	CampusName String
	StreetAddress String
	BuildingName String
	Room Number



Role (ASP.net)
<u>RoleId</u>
RoleName

AvailabilityGroup



Department	
PK	<u>DepartmentID</u>
	name String



ProviderProfile	
	<u>ProviderProfileId</u>
	DepartmentID
	<u>UserID</u>
	RemoteLink string



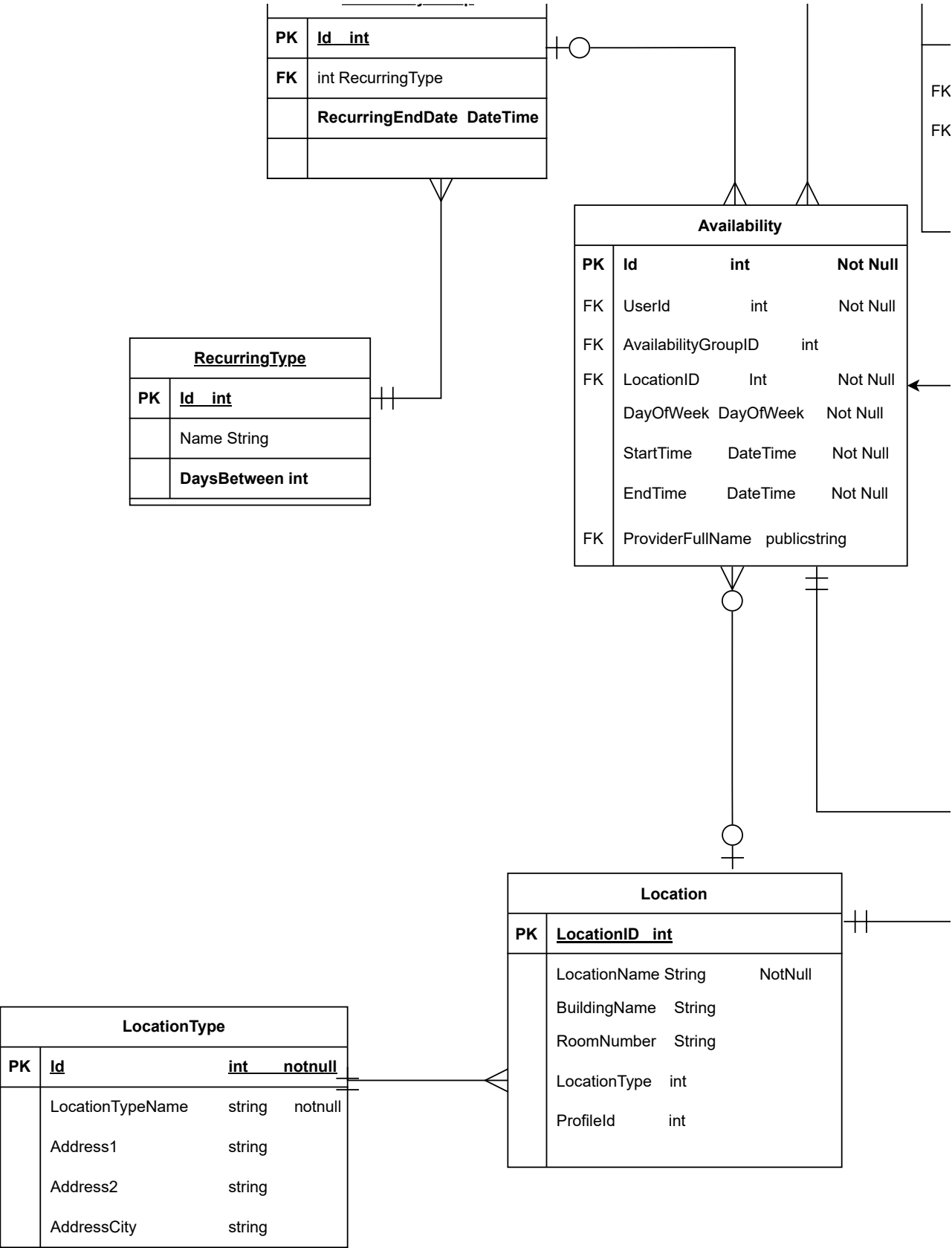
Users (ASP.net)	
PK	<u>UserId</u>
PK	Email String Not Null

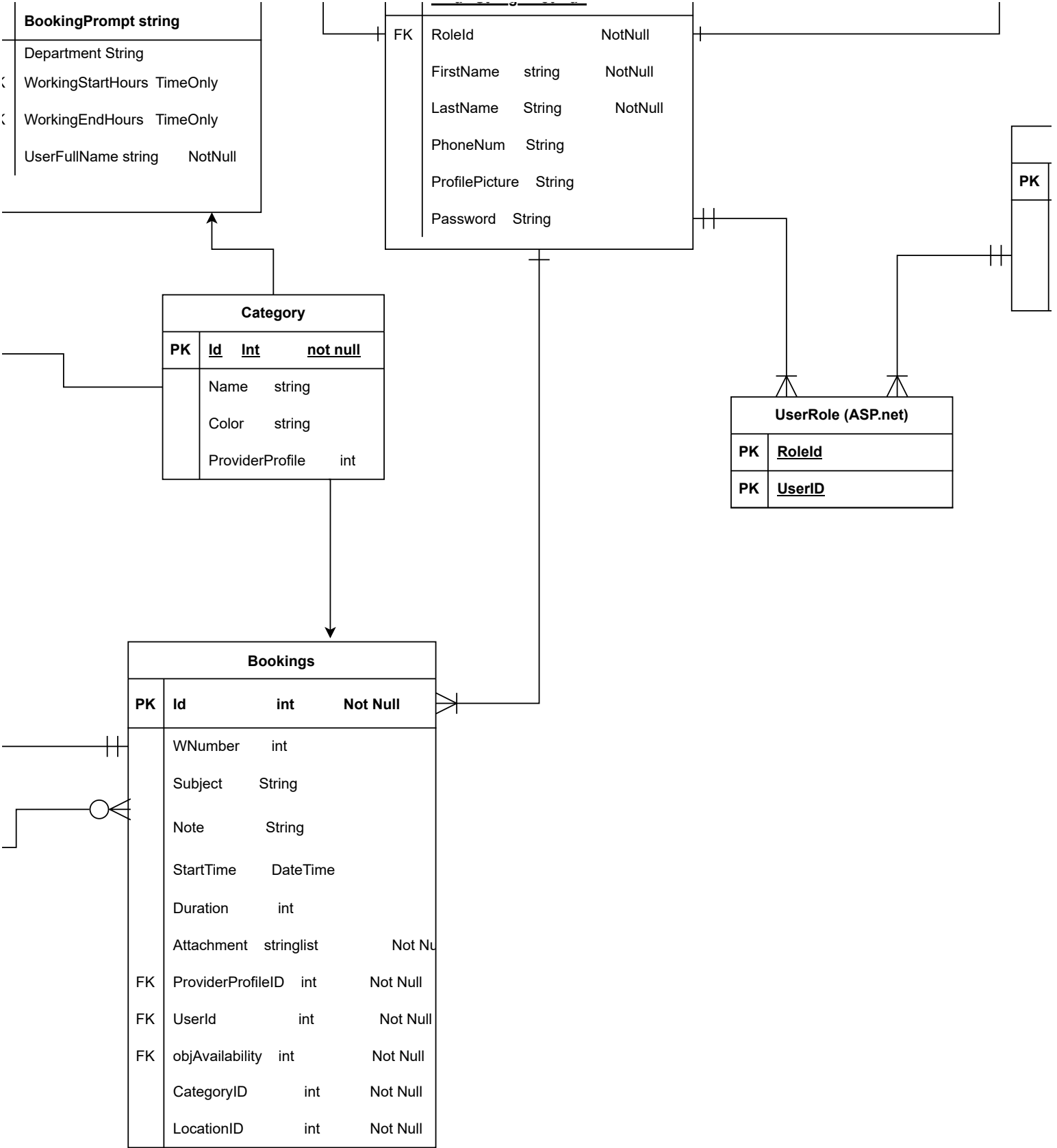
CustomerProfile	
PK	<u>Id</u>
FK	<u>UserID</u>
	WNumber Int





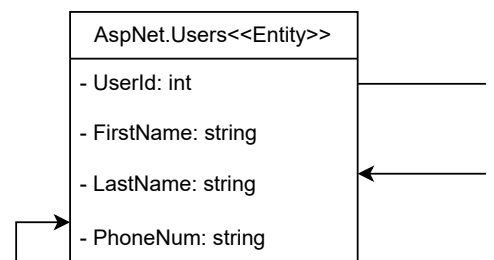


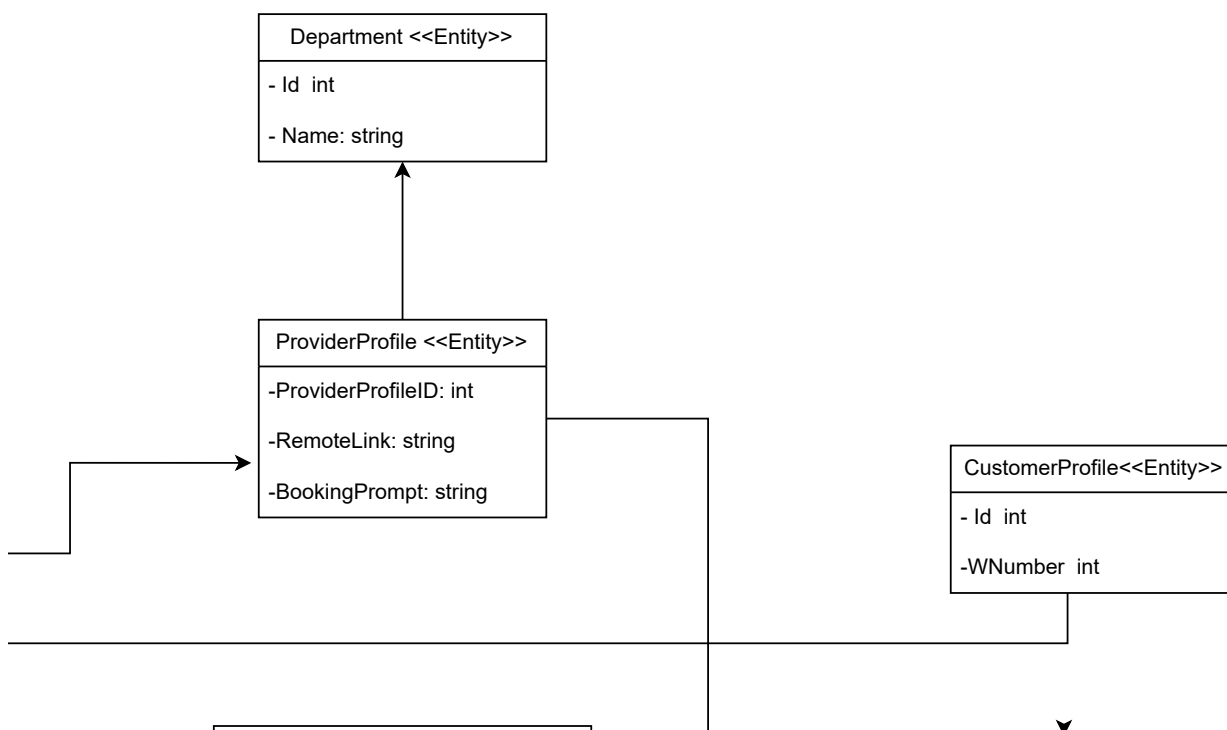




Role (ASP.net)
<u>RoleId</u>
RoleName







```
T Get(Expression<Func<T, bool>> predicate, bool trackChanges)
Task<T> GetAsync(Expression<Func<T, bool>> predicate, bool trackChanges)
IEnumerable<T> GetAll(Expression<Func<T, bool>>? predicate)
<Task> GetAllAsync(Expression<Func<T, bool>>? predicate, Expression<Func<T, bool>>? trackChanges)
void Add(T entity)
void Delete(T entity)
void Delete(IEnumerable entities)
void Update(T entity)
```

UnitOfWork
private readonly ApplicationDbC
public IGenericRepository<Booki
public IGenericRepository<Locat
public IGenericRepository<Applic
public IGenericRepository<Availa
+ item: attribute



GenericRepository <<Controller>>

ckChanges = false, string? includes = null)

icate, bool trackChanges = false, string? includes = null)

' predicate = null, Expression<Func<T, int>>? orderBy = null, string? includes = null)

on>? orderBy = null, string? includes = null)

k<<Controller>>

ontext \_dbContext;

ing> \_Booking;

ion> \_Location;

cationUser> \_ApplicationUser;

ability> \_Availability;

HomeWebpage <<Border>>

OnGet()

OnPost()

CheckUserRole()

Webpage <<Border>>

OnGet()

OnPost()

LoginWebpage <<Border>>

OnGet()

OnPost()

ValidateUser() (IdentityFramework)

- Password: string

- ProfilePicture: string

- Email: string

Available

- Id int

- DaysOfWeek int

- StartTime DateTime

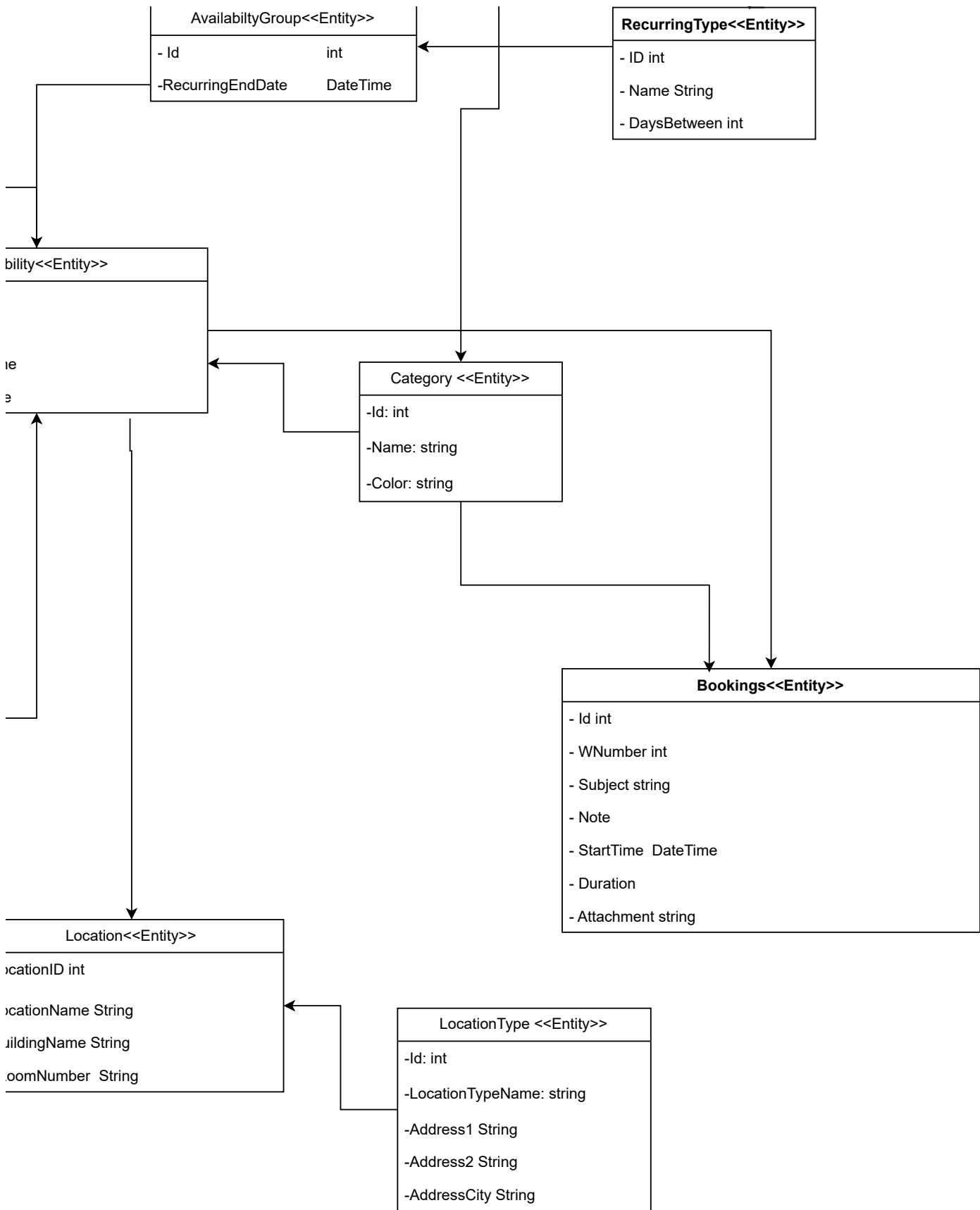
- EndTime DateTime

-Lo

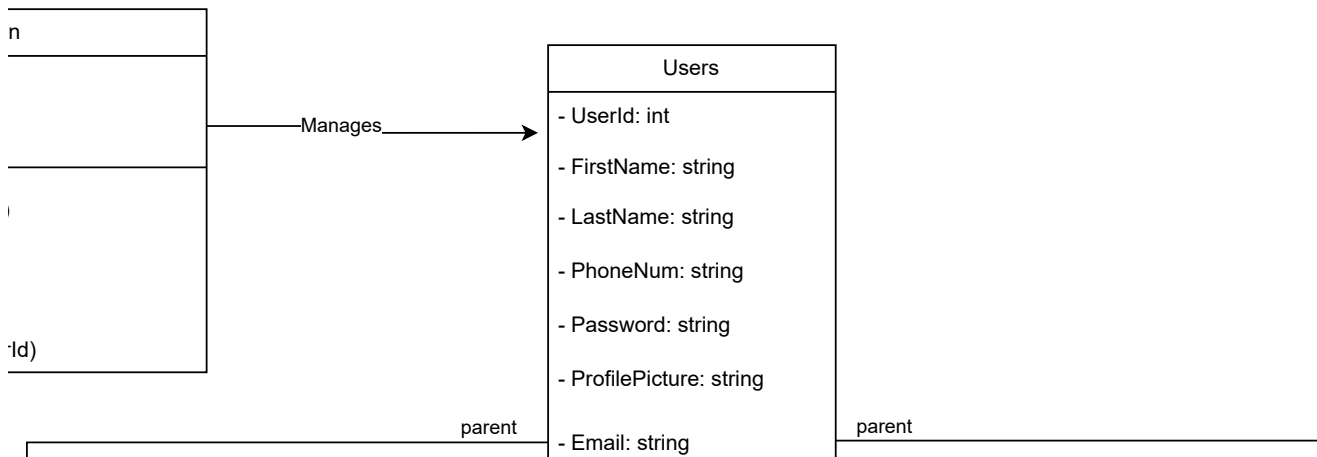
-Lo

-Bu

- R

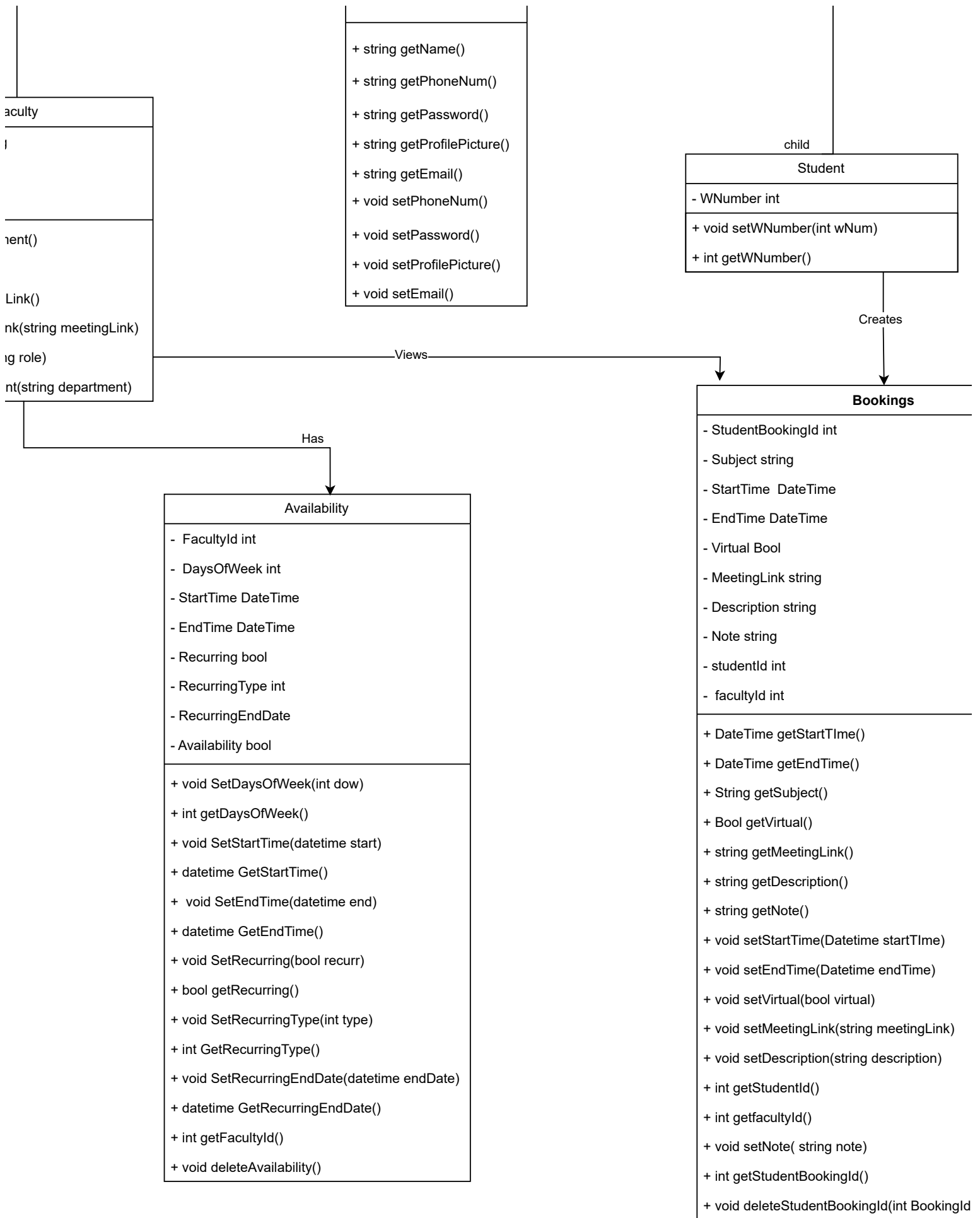


Admin
- Username: string - Password: string
+ string getUsername() + string getPassword() + void createFaculty() + void editUser(int User





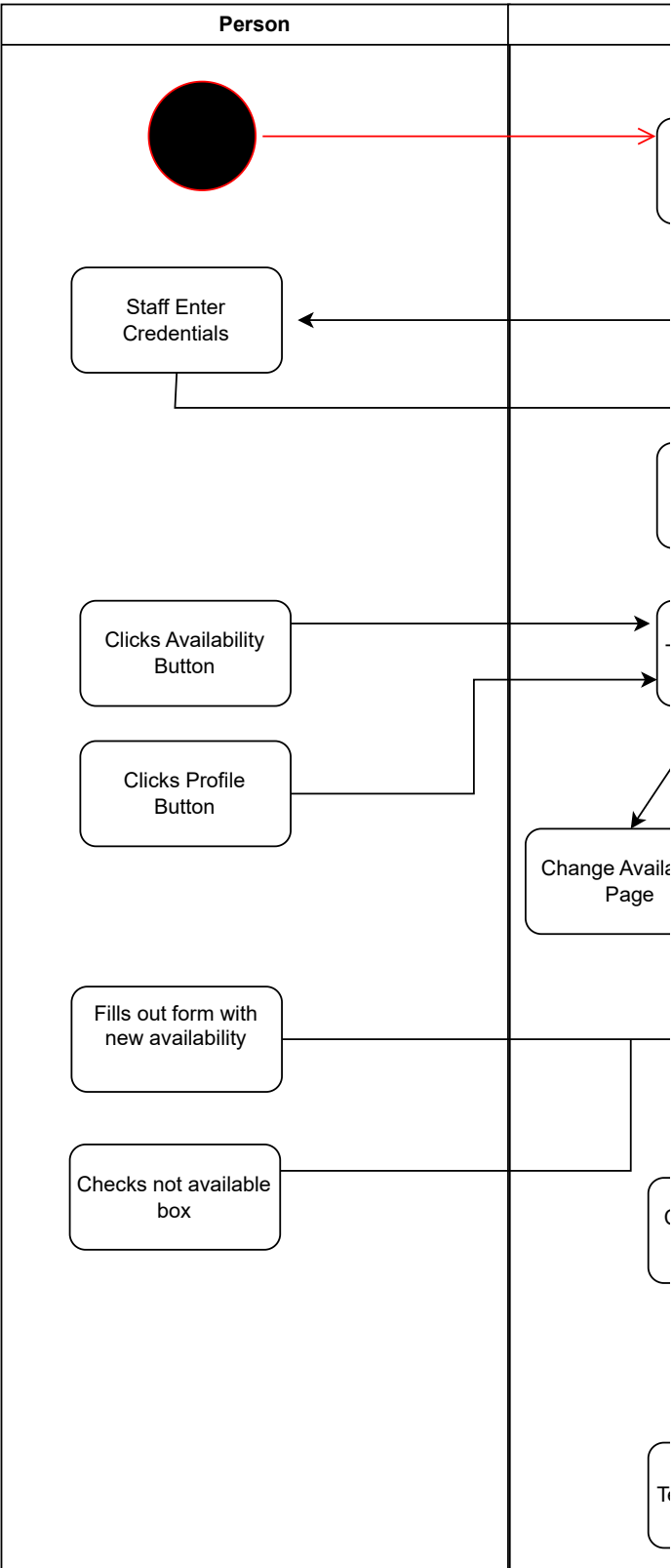
child
F2
- Department string
- Role string
- MeetingLink string
+ String getDepartm
+ String getRole()
+ String getMeetingl
+ void setMeetingLir
+ void setRole(strin
+ void setDepartmei



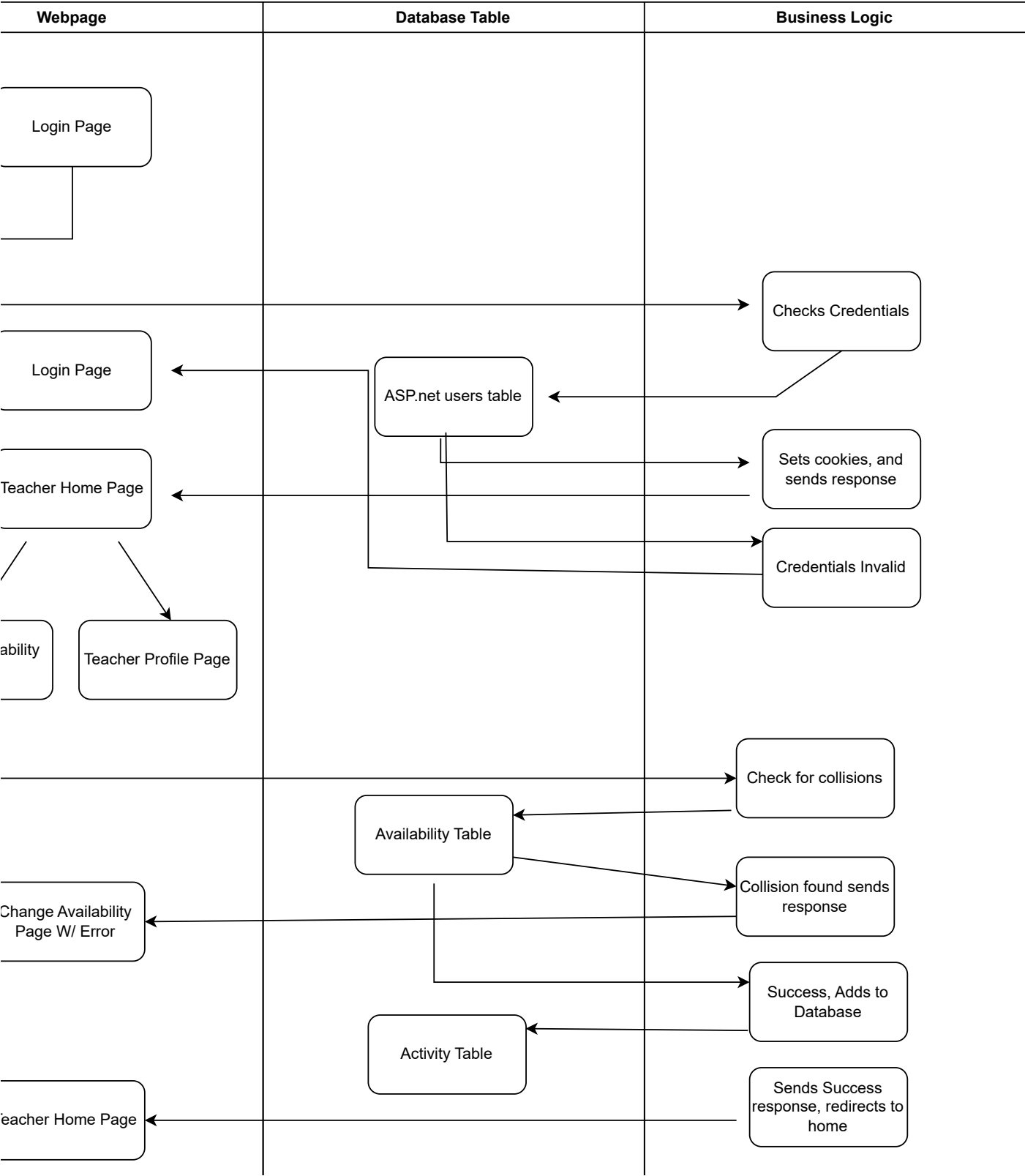
)



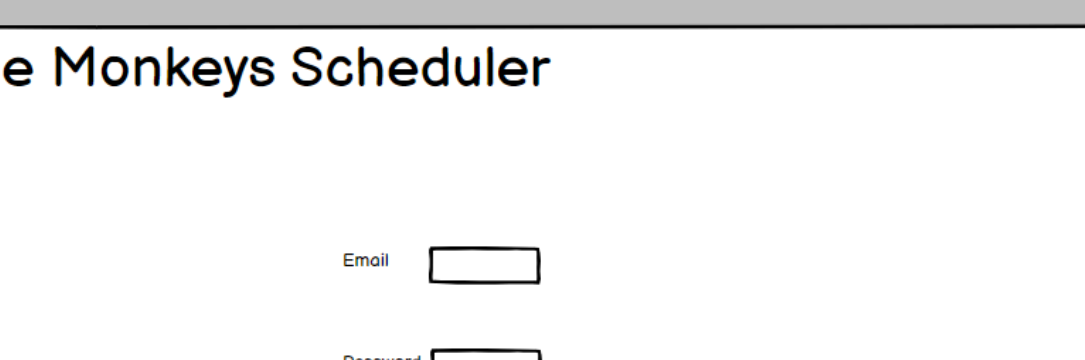
As staff, I  
times on t  
book app



I need to set my available and non-available  
the scheduler enabling me to dynamically  
ointments around my schedule



## Log In



The screenshot shows a web browser window with the title "A Web Page". The address bar contains the URL "https://CodeMonkey/". The page content features a large heading "Code Monkeys Scheduler". Below the heading, there is a login form with two input fields: "Email" and "Password". Under the "Password" field, there are two buttons: "Login" and "Sign Up". Below these buttons is a link labeled "Forgot Password".

A Web Page

https://CodeMonkey/

# Code Monkeys Scheduler

Email

Password

[Forgot Password](#)

## Availability

double-click to edit

A Web Page

https://CodeMonkeys/Home

Home Profile Availability

## Your Week

Day Week Month

Week 13

Day WEEK

Today Sunday Monday Tuesday Wednesday Thursday Friday Saturday

08:00

09:00 Available Unavailable

10:00 John Doe Remote

11:00

12:00

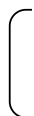
13:00

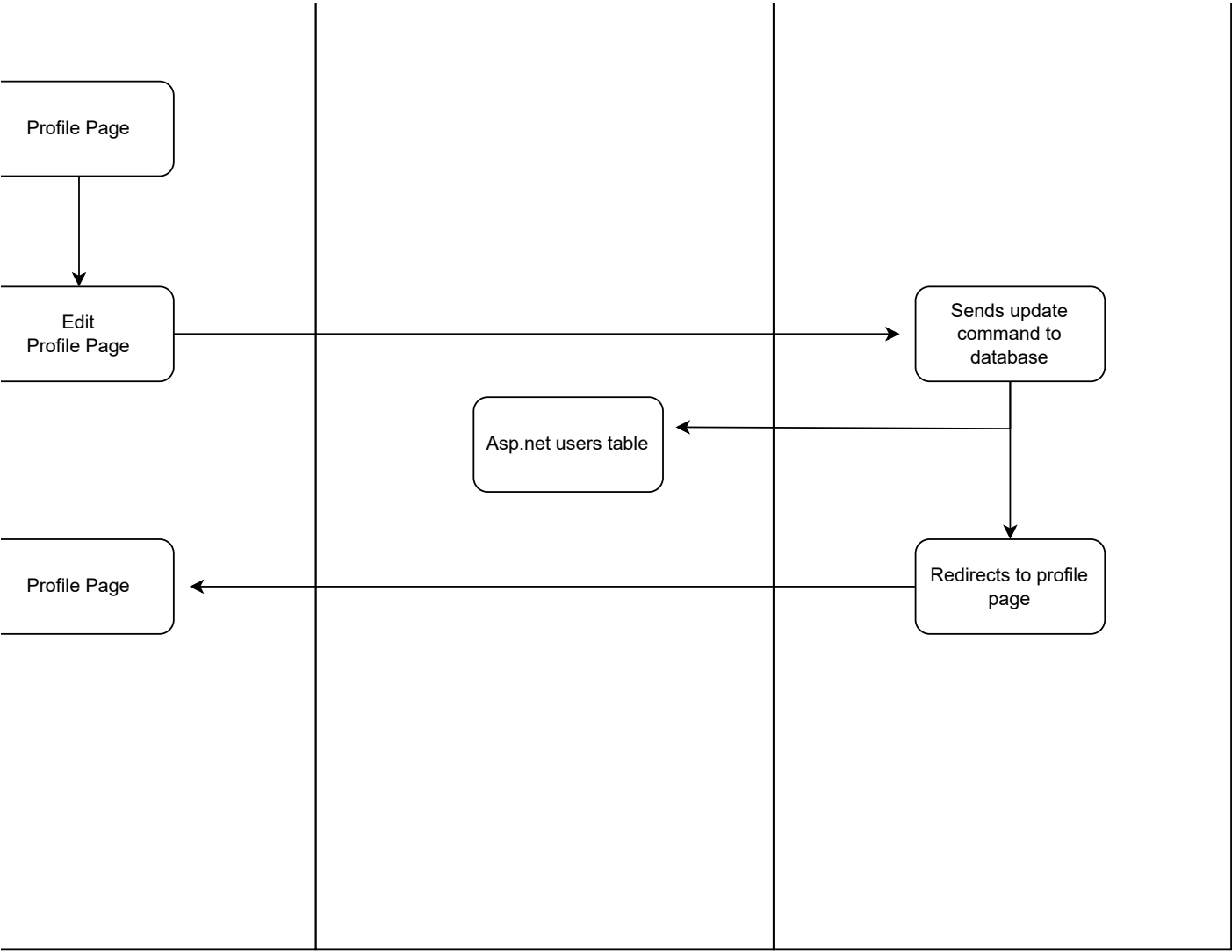
< Edit

Clicks on Edit button



Clicks save after  
filling out fields





# Profile

Home

Profile

Availability

Profile

Name:

Some text

Phone Number:

Some text

Email:

Some text

Department:

Some text

Role:

Some text

Zoom Link:

Some text

Edit

# Edit Profile

Home

Profile

Availability

Edit Profile

Name:

Phone Number:

Email:

Some text

Department:

Role:

Zoom Link:

Choose File

Save







# Availability

←

→

✕

🏠

A Web Page

https://CodeMonkeys/Home

🔍

Home

Profile

Availability

## Change Availability

Choose a date or a date range to change your availability

Start Date

/ /

📅

End Date (can be same)

/ /

📅

Start Time

End Time

Available,

Not Available

Campus (if in person):

☐ Remote

☐ Remote Not Available

Save

Day

Week

Available

Unavailable

Delete

🔍

Today

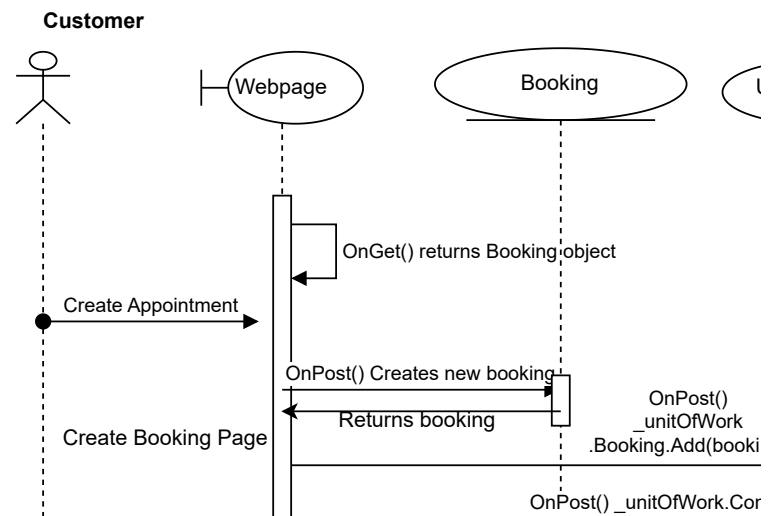
Week 13

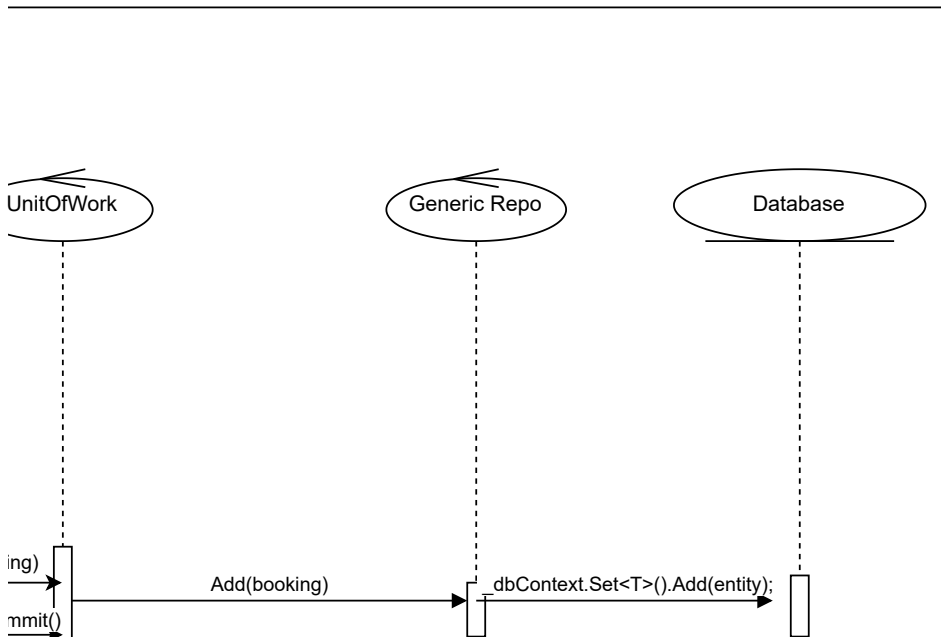
📅

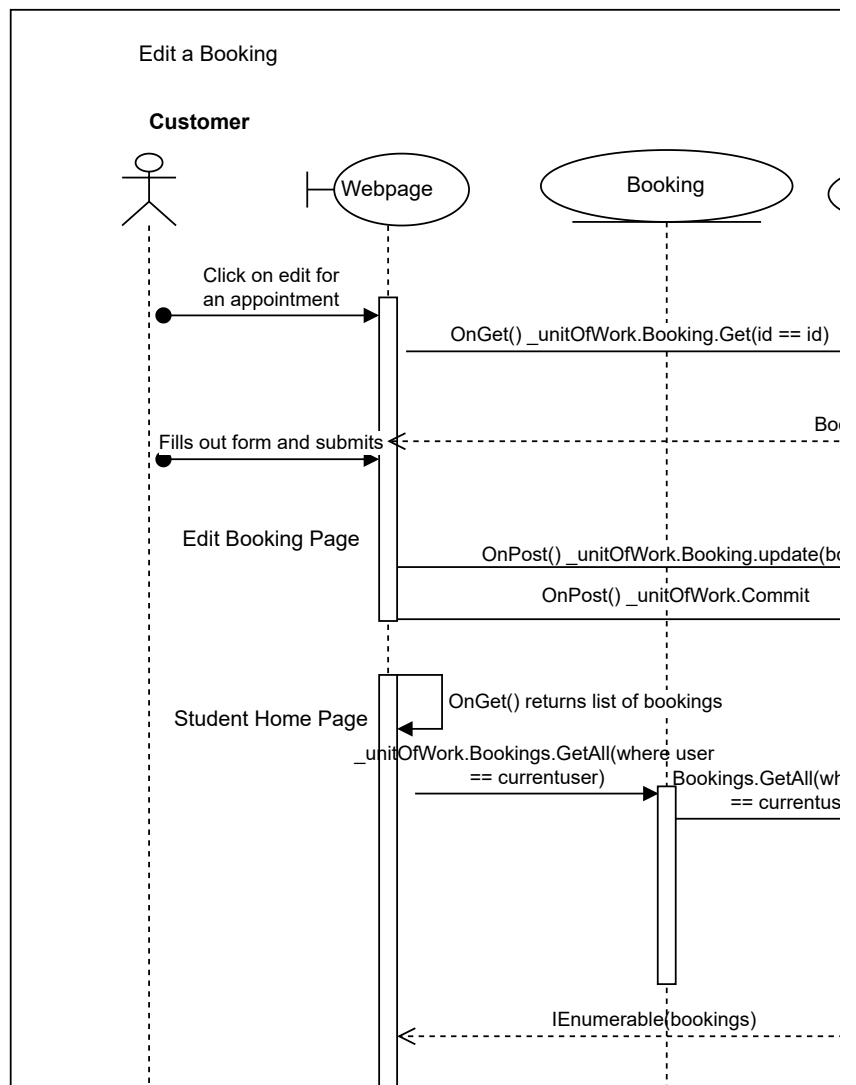
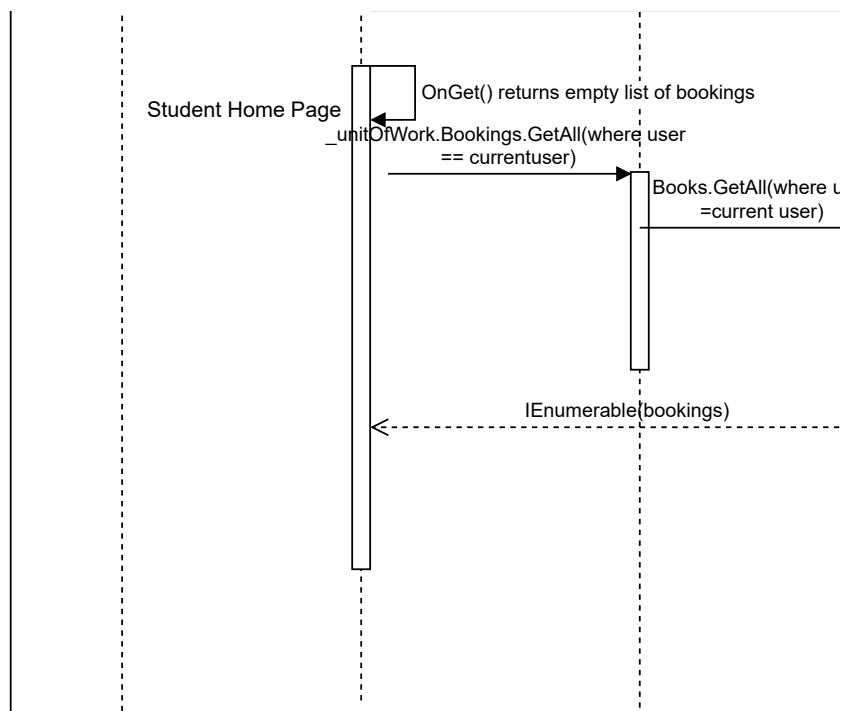
🔍

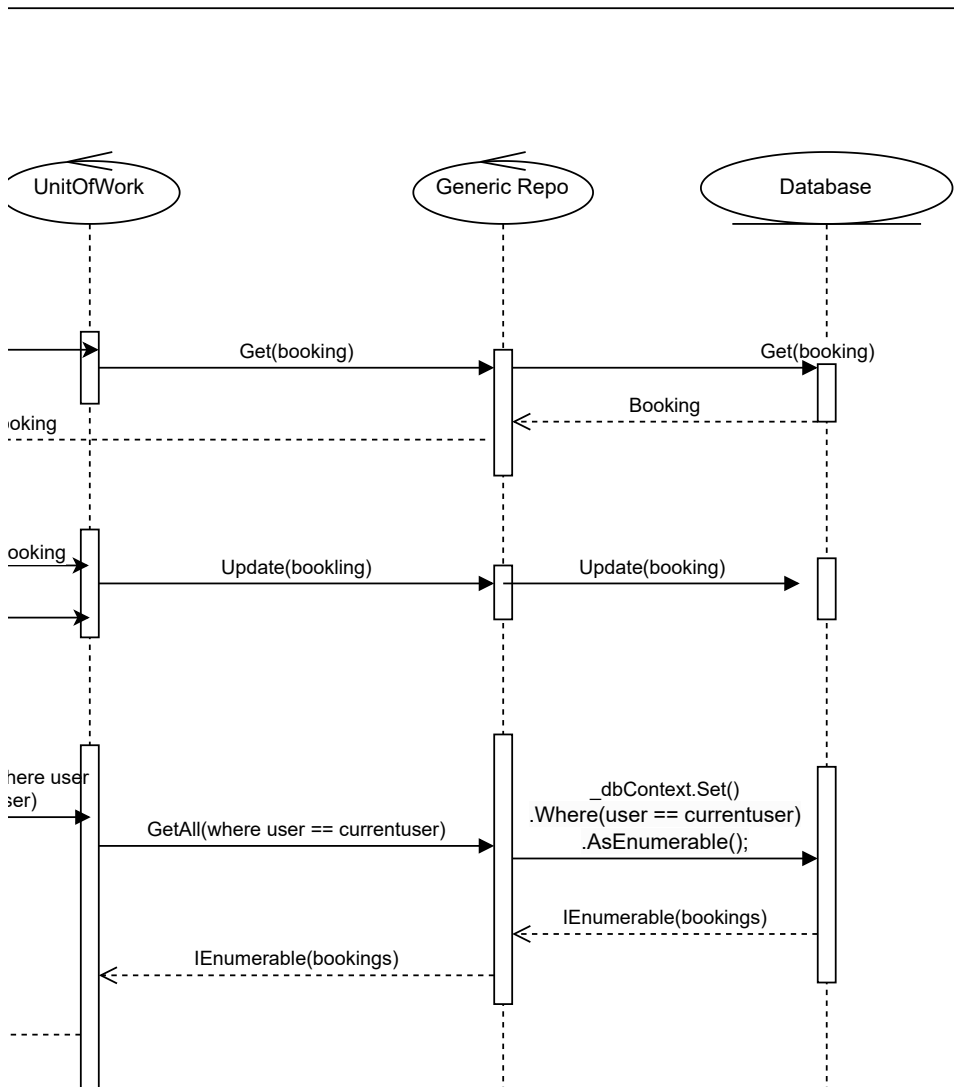
Save

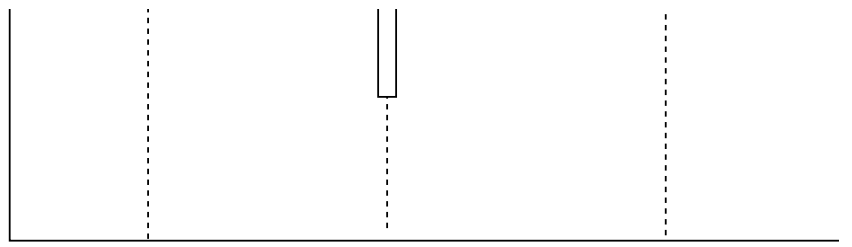
### Creating a booking

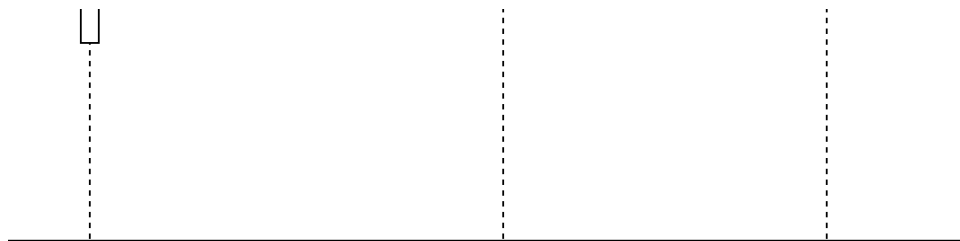


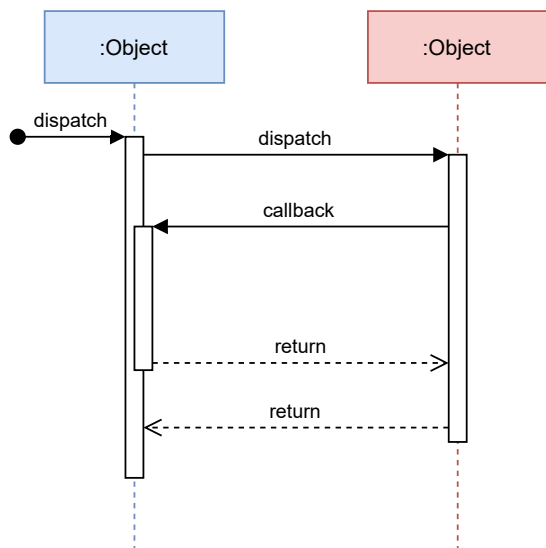




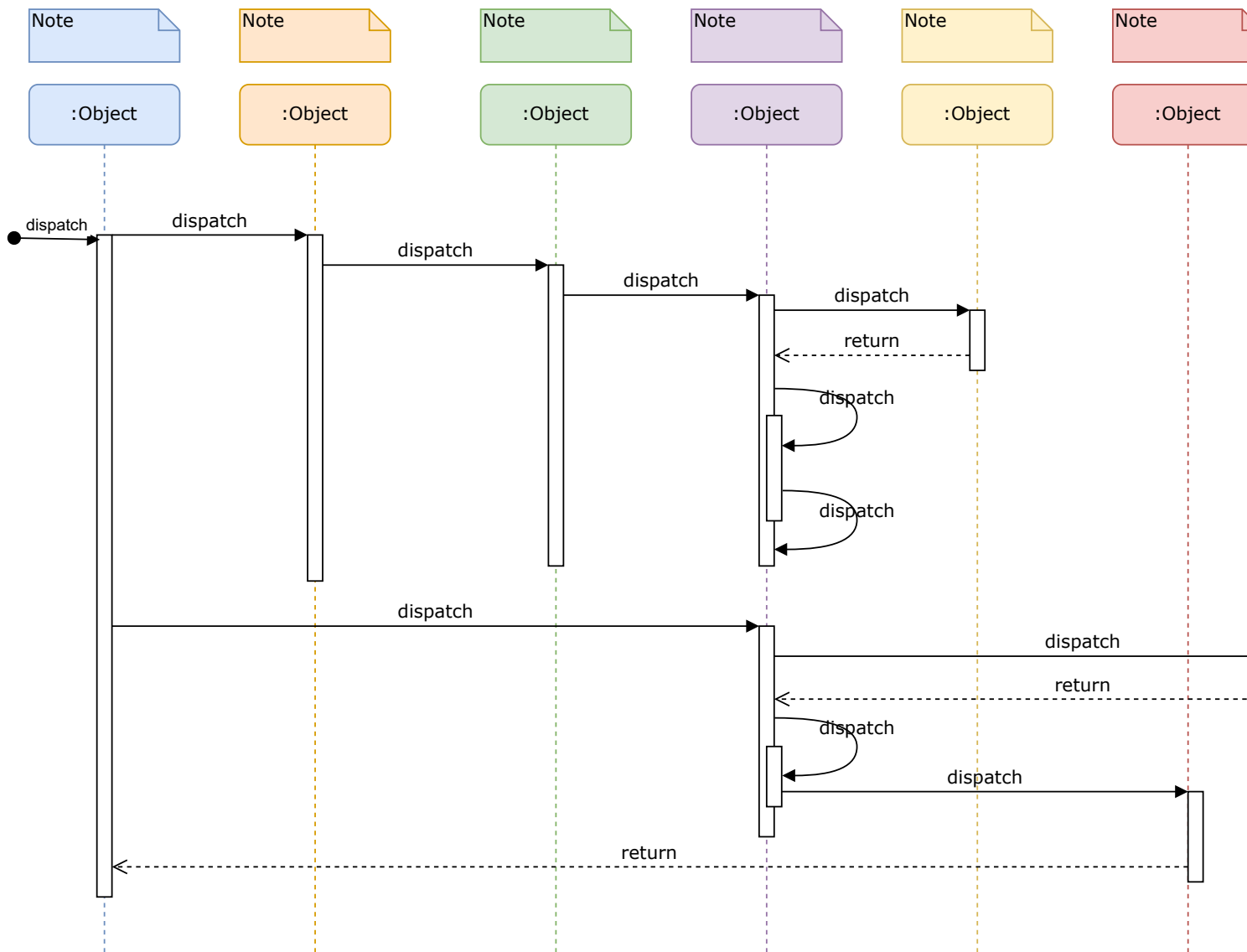










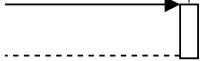


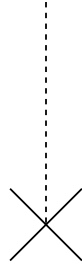
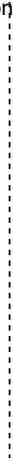
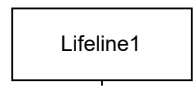
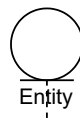
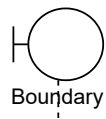
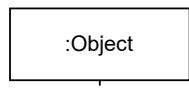


Note



:Object





# sd Example

