

- Added Entities (User, Message)
- Added Classes (UserDTO, InMessageDTO, OutMessageDTO)
- Added Coordinates embeddable class
- Added custom DTO mappers for Services
(UserMapper, InMessageMapper, OutMessageMapper)
- Every mapper implements the same IMapper interface
- Added Default JPA Repositories (UserRepository, MessageRepository)
- Added methods to UserRepository

Return	Method	Description
List<User>	findInRadius(Double latitude, Double longitude, Double radius)	Returns a list of users that inside the radius of the position given by latitude and longitude

- Added method to MessageRepository

Return	Method	Description
List<Message>	findById (Long id)	Returns a list of messages that have as receiver property the id of the user.

- Added methods to UserController

Return	Method	Mapping	Description
List<UserDTO>	getUsersInRadius(Long id, Double radius)	/users method= GET	Returns list of all users in Radius
Long	createUser(UserDTO dto)	/user method= POST	Creates a user and returns his generated id
String	deleteUser(Long id)	/user method= DELETE	Deletes a user
String	updateUser(Long id)	/user method= PUT	Updates a User

- Added methods to MessageController

Return	Method	Mapping	Description
void	createMessage (InMessageDTO)	/message method=POST	Creates a message
List <OutMessageDTO>	getMessages(username)	/message method=GET	Returns a list of outMessageDTOs

- Added Services (UserService, MessageService)

- Added methods to UserService

Return	Method	Description
List<UserDTO>	getAll()	Returns a list of all UserDTOs
List<UserDTO>	getInRadius (String username, Double radius)	Returns a list of all UserDTOs in radius of the user
String	addUser(UserDTO dto)	Creates a User
String	deleteUser(Long id)	Deletes a user by his id
String	updateUser(UserDTO dto)	Updates a user
UserDTO	getUserById(Long id)	Returns a UserDTO by his id

- Added methods to MessageService

Return	Method	Description
void	<code>addMessage (InMessageDTO)</code>	Creates a message
List <OutMessageDT O>	<code>getMessages(Long id)</code>	Returns a list of outMessageDTOs