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sequenceDiagram
    actor User
    participant PaymentForm
    participant postCartPurchase
    participant UserController
    participant UserService
    participant UserRepository
    participant CartRepository
    participant TicketRepository
    participant SuccessScreen

    User->>PaymentForm: 1. Checkout
    activate PaymentForm
    PaymentForm->>postCartPurchase: 2. Click pay button
    deactivate PaymentForm
    activate postCartPurchase
    postCartPurchase->>UserController: 3. HTTP POST /user/cart/purchase/{applyCredits}
    deactivate postCartPurchase
    activate UserController
    UserController->>UserService: 4. purchaseTicketsInCart()
    deactivate UserController
    activate UserService
    UserService->>UserRepository: 5. findById(UserID)
    activate UserRepository
    UserRepository-->>UserService: 6. User:User
    deactivate UserRepository
    UserService->>CartRepository: 7. getCart()
    activate CartRepository
    CartRepository-->>UserService: 8. User:Cart
    deactivate CartRepository
    UserService->>UserService: 9. Transfer ticket from cart to user
    UserService->>TicketRepository: 10. saveAll()
    activate TicketRepository
    TicketRepository-->>UserService: 
    deactivate TicketRepository
    UserService->>CartRepository: 11. save(cart)
    activate CartRepository
    CartRepository-->>UserService: 
    deactivate CartRepository
    deactivate UserService
    UserService->>SuccessScreen: 14. Redirect
    deactivate UserService
    activate SuccessScreen
    deactivate SuccessScreen
```