

## 4. User Stories - Use Case Diagram

### User Stories

1. **As a trader**, I want to input a starting date so that I can specify the date from which to start predicting Bitcoin prices.
2. **As a trader**, I want to input the number of days for which I want predictions so that I can specify the duration of the forecast.
3. **As a trader**, I want to receive predicted Bitcoin prices for the specified duration so that I can make informed decisions about buying, selling, or holding Bitcoin.
4. **As a trader**, I want the predictions to be displayed in dollars so that I can easily understand the predicted prices in my preferred currency.
5. **As a trader**, I want the predicted prices to be visually represented over time so that I can visualize the trend and fluctuations in Bitcoin prices.
6. **As a trader**, I want the predictions to be accurate and reliable so that I can trust the information provided by the system.
7. **As a trader**, I want the system to handle errors gracefully and provide helpful error messages in case of input mistakes or other issues.
8. **As a trader**, I want the system to be easy to use and navigate so that I can quickly input my preferences and obtain the predicted prices without any hassle.
9. **As a trader**, I want the system to be accessible from various devices and platforms so that I can use it conveniently from my desktop, laptop, or mobile device.
10. **As a trader**, I want the system to be regularly updated with the latest data and improvements so that I can continue to rely on it for accurate predictions over time.

### Use Case Diagram

# Bitcoin Price Prediction System

