library(ggplot2)

## Warning: package 'ggplot2' was built under R version 4.2.3

time\_log <- data.frame(  
 Date = c("2023-09-09", "2023-09-09", "2023-09-16", "2023-09-23", "2023-10-01", "2023-10-07"),  
 Time\_Spent\_Hours = c(3, 2, 5, 3, 4, 2),  
 Activity = c("Learning RShiny, Data Cleaning", "Exploring Visualizations, Navigation Bar", "Creating World Map Visualization", "Creating Word Cloud Visualization", "Putting Visualizations Together", "Making Presentation and Documentation")  
)  
  
# Convert the Date column to a Date type  
time\_log$Date <- as.Date(time\_log$Date)  
  
# Create a bar chart  
time\_chart <- ggplot(time\_log, aes(x = Date, y = Time\_Spent\_Hours, fill = Activity)) +  
 geom\_bar(stat = "identity") +  
 labs(title = "Time Spent on Project Activities",  
 x = "Date",  
 y = "Time Spent (Hours)",  
 fill = "Activity") +  
 theme\_minimal() +  
 theme(axis.text.x = element\_text(angle = 45, hjust = 1)) +  
 scale\_fill\_brewer(palette = "Set3")  
  
# Display the chart  
print(time\_chart)

