

```
const cardData = {
    title: "",
    text: "",
    id: Date.now()
  };
  // Creates a blank card object with a unique ID (based on the current time).
  const cardElement = createCardElement(cardData);
  // Builds the HTML for the card.
  cardContainer.appendChild(cardElement);
  // Adds the card to the page.
  savedCard(cardData);
  // Saves the card in localStorage.
});
-----
4. Delete Checked Cards
deleteCard.addEventListener("click", () => {
  const\ checkboxes = document.querySelectorAll('\#card-list\ .checkbox-1');
  // Finds all the delete checkboxes.
  let cards = getSavedCards();
  // Gets current saved cards from localStorage.
```

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checkboxes.forEach(checkbox => {
     if (checkbox.checked) {
       const li = checkbox.closest('li');
       const cardId = li.dataset.cardId;
       li.remove();
       cards = cards.filter(c => c.id != cardId);
     }
  });
  localStorage.setItem('cards', JSON.stringify(cards));
  // Updates localStorage with the new (filtered) list of cards.
});
5. Create Card Element (HTML + Functionality)
function createCardElement(cardData) {
  const li = document.createElement('li');
  li.dataset.cardId = cardData.id;
  // Stores the card's ID in a custom attribute.
  li.innerHTML = `...`;
  // HTML structure for the card is added.
  const titleInput = li.querySelector('.card-title');
```

```
const textArea = li.querySelector('.card-text');
  titleInput.value = cardData.title;
  textArea.value = cardData.text;
  // Sets saved text if the card existed before.
  titleInput.addEventListener('input', () => updateCardData(li));
  textArea.addEventListener('input', () => updateCardData(li));
  // Whenever the user types, update storage.
  return li;
}
6. Update Card Info
function updateCardData(li) {
  const cards = getSavedCards();
  const id = parseInt(li.dataset.cardId);
  const title = li.querySelector('.card-title').value;
  const text = li.querySelector('.card-text').value;
  const cardIndex = cards.findIndex(c => c.id === id);
  if (cardIndex !== -1) {
     cards[cardIndex].title = title;
     cards[cardIndex].text = text;
     localStorage.setItem('cards', JSON.stringify(cards));
```

```
}
}
// Finds the card in saved data and updates the title/text.
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7. Save a New Card to Storage
function savedCard(cardData) {
  const cards = getSavedCards();
  cards.push(cardData);
  localStorage.setItem('cards', JSON.stringify(cards));
}
// Adds a new card to saved list and saves it.
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8. Get All Cards from Storage
function getSavedCards() {
  return JSON.parse(localStorage.getItem('cards')) || [];
}
// Reads the JSON string from localStorage and turns it into an array.
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9. Load Cards from Storage
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```
function loadCardsFromStorage() {
   const cards = getSavedCards();
   cards.forEach(cardData => {
      const cardElement = createCardElement(cardData);
      cardContainer.appendChild(cardElement);
   });
}
// Loops through each saved card and adds it to the page.

Extra: Date.now()

Date.now() gives the number of milliseconds since January 1, 1970.
```

// It's a quick way to get a unique number to use as an ID.