

# Tokenization Prototype Plan

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# Scope 1: Data Model

- Goal: Confirm on two card networks that the Tokenized Card Payment method spec can be used to make a payment.
- Why: In order for the W3C work to advance on the Recommendation Track, we will need both organizational statements of interest and implementation experience.
- What is needed for the prototype:
  - URL-based payment method definition. Could later move to short string.
  - Merchant site
  - Chrome Canary
  - Web-based payment handler
- Who is involved:
  - Merchant site: Airbnb? Shopify? Stripe?
  - Payment Handler: Mastercard and American Express?

# Scope 2:

# Data Model + Default Handler

- Goal: Scope 1 goal **plus** support from the browser to identify a handler in the case the user does not have any registered that support tokenization.
- Why: An important design consideration is ensuring that users can easily access at least one payment handler that handles this payment method.
- What is needed for the prototype:
  - Short-string payment method definition. With browser support to connect user to one or more payment handlers. Different browsers might behave differently.
  - Merchant site
  - One or more browsers
  - Native or Web-based payment handler
- Who is involved:
  - Merchant site: Airbnb? Shopify? Stripe?
  - Payment Handler: Mastercard and American Express?
  - Browser maker: Mozilla? Google? Apple? Microsoft?

# Scope 3: Data Model + Default Handler + 3DS2

- Goal: Scope 2 goal plus payment handler executes 3DS2 flows.
- Why (more complex)? To make the project more compelling overall.
- If that seems like a good strategy, we can fill in the details about what is required and who is involved.

# Milestones

- 15 May: Choose desired scope.
- 29 May: Organizations report on resource availability for the project at the desired scope.
- 12 June: Next level of project description given participants and scope.
- July, August, September: Monthly progress meetings
- October: Demonstrate prototype during TPAC meeting.