AddBirthday   Name of the Schema

$known : \mathbb{P}\ NAME$ Explicit inclusion of all declarations
$known' : \mathbb{P}\ NAME$
$birthday : NAME \nrightarrow DATE$
$birthday' : NAME \nrightarrow DATE$
$name? : NAME$
$date? : DATE$

$known = \mathrm{dom}\ birthday$ Invariants included by hand
$known' = \mathrm{dom}\ birthday'$
$name? \notin known$ Precondition
$birthday' = birthday \cup \{name? \mapsto date?\}$ Postcondition

- name is the before state
- name' is the after state
- name? is an input variable
- name! is an output variable