

System Test Plan for PaceCalculator

The text in bold in the **Description** column represents the test inputs to the program. You can stop program execution by pressing Ctrl+C. You will need to fill in your Actual Results. (While not required, you may add additional tests if you would like.)

Test ID	Description	Expected Results	Actual Results
Test-Invalid-Distance-Multiple-Characters Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: Marathon	Invalid distance	Invalid distance
Test-Invalid-Distance-Not-In-Menu Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: O	Invalid distance	Invalid distance
Test-Invalid-Time-Minutes-A Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: H Race time (H:MM:SS): 1:61:04	Invalid time	Invalid time
Test-Invalid-Time-Minutes-B Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: H Race time (H:MM:SS): 1:-1:04	Invalid time	Invalid time

Test ID	Description	Expected Results	Actual Results
Test-Invalid-Time-Minutes-C Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: H Race time (H:MM:SS): 1:-11:04	Invalid time	Invalid time
Test-Valid-Marathon-Time Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: M Race time (H:MM:SS): 3:48:24	0:08:43	0:08:43
Test-Valid-5k Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: f Race time (H:MM:SS): 0:21:00	0:06:46	0:06:46
Test-5k-without-hours-A Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: f Race time (H:MM:SS): :21:00	Invalid time	Invalid time

Test ID	Description	Expected Results	Actual Results
Test-5k-without-hours-B Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: f Race time (H:MM:SS): 21:00	Invalid time	Invalid time
Test-Invalid-Time-Second-A Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: H Race time (H:MM:SS): 1:05:-04	Invalid time	Invalid time
Test-Invalid-Time-Second-B Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: H Race time (H:MM:SS): 1:05:-4	Invalid time	Invalid time
Test-Invalid-Time-Second-C Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: H Race time (H:MM:SS): 1:05:4	Invalid time	Invalid time

Test ID	Description	Expected Results	Actual Results
Test-Valid-Half-Time Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: h Race time (H:MM:SS): 13:48:24	1:03:14	1:03:14
Test-Valid-10k Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: T Race time (H:MM:SS): 9:40:37	1:33:38	1:33:38
Test-Valid-mile Author: Dr. Schmidt	<i>Preconditions:</i> PaceCalculator program started <Race Distance Menu - see Instructions> Race Distance: i Race time (H:MM:SS): 7:33:37	7:33:37	7:33:37