



## LEGEND



A gray circles, labelled with capital letters, identifies a **software component**. The circle is located at: 1) top-left corner of the box for components performing online operations, 2) bottom-left corner of the box for subcomponents performing online operations, 3) top-right corner of the box for components performing batch operations, and 4) bottom-right corner for subcomponents performing batch operations.



A red circle, labelled with numbers and also lowercase letters in case of suboperations, identifies the **order of batch operations**.



A green circle, labelled with numbers and also lowercase letters in case of suboperations, identifies the **order of online operations**.



A red solid arrow identifies a **batch operation** among software components.



A red dashed arrow identifies a **batch interaction** with databases/stores/collections.



A green solid arrow identifies an **online operation** among software components



A green dashed arrow identifies an online interaction with databases/stores/collections.