

- **Additional paid in capital (APIC):** Amount received from shareholders in addition to par value; i.e. the difference between capital raised (cash) and par value; if shares are bought back and then reissued, the difference between repurchase price and proceeds from sale increases / decreases APIC.

Three types of shares

- **Authorized:** # of shares that can be sold/issued; **No journal entry is changed; amend corporate charter**
- **Issued:** # of shares that were sold/issued; **≤ above**
- **Outstanding:** # of issued shares actually owned by shareholders; **= issued shares - issued shares held in treasury; ≤ above**

E.g. Equity Issuance - Tesla raised \$402M in equity by issuing 1,536,000 shares of stock at a par value of \$0.001/share:

- Common stock = par value × # of shares outstanding
- APIC = Cash - Common Stock

Cash (A)	=	Common Stock (E)	APIC (E)
402M	=	1,536	401,998,464

Dividends (-R/E): returns paid to shareholders. When paid, dividends impact Cash (A) and R/E (E), but **not the income statement; not an expense**

1. **Declaration Date:** when the company’s board announces the dividend; record liability
2. **Date of Record:** date on which shareholders must be on the company’s records to receive the dividend. There is no transaction on this date
3. **Payment Date:** when the dividend is actually paid to shareholders

E.g. Dividend - on 1/21/25 XYZ Corp declares a dividend of 2 cents per share and it has 1 million shares outstanding. The date of record is 2/1/25, and the payment date is 2/28/25:

	Cash (A)	=	Dividend Payable (L)	+	R/E (E)	Inc. State. Caption
1/21/25			20,000		-20,000	Dividends
2/28/25	-20,000		-20,000			

Stock Dividends: (as opposed to cash).

- if < 25%, record the transaction at mkt value of the firm’s stock
- if > 25%, record the transaction using the par value of the firm’s stock

E.g. Stock Dividends - on 1/21/2025 XYZ Corp, which has 1,000,000 shares outstanding of \$5 par value stock, makes a stock dividend of 10% when the market price \$30 per share: # shares to be paid as dividends = 1,000,000 × 10% = 100,000; Par Value

(E) = \$5 × 100,000

Par Value (E)	APIC (E)	R/E (E)	Inc. State. Caption
500,000	2,500,00	-3,000,000	Stock Dividend

E.g. Stock Dividends - ditto but makes a stock dividend of 50%:

Par Value (E)	APIC (E)	R/E (E)	Inc. State. Caption
5,000,000		-5,000,000	Stock Dividend

Treasury Stock (Share Repurchases): stock which has been repurchased by the company. A contra equity account that increases when a company repurchases its shares. Why?

- Tax-advantaged way to distribute cash to investors (instead of dividends)
- To provide stock for stock compensation contracts
- To increase earnings per share (i.e., decrease the denominator)
- To thwart takeover attempts or reduce the number of stockholders (bar outsiders from gaining influence)

The accounting treatment of a stock repurchase is to reduce cash and to reduce Shareholders Equity. Thus, treasury stock is not an asset.

E.g. Tesla purchases 1 million shares at \$420 per share:

Cash (A)	=	-Treasury Stock (XE)
-420M	=	420M

Stock options: Gives an employee a right (but not the obligation) to buy a specified number of shares at an established price.

- **Exercise price (or strike price)::** the price the option holder pays to acquire the share
- **Expiration date:** date when employee can no longer exercise the option
- **Vesting period:** how long the option holder must work before being able to exercise all of their options
- **Cliff:** how long the option holder must work before being able to exercise any of their options
- **In-the-money:** the current share price > the exercise price
- **At-the-money:** the current share price = the exercise price
- **Out-of-the-money:** the current share price is < the exercise price

E.g. On Jan 1, 2020 Ram awards 100,000 stock options to its employees. Ram stock has a par value of \$1, and the stock options have an exercise price of \$5 per share. The current market price is also \$5 per share (so the options are issued “at the money”). The estimated fair value of the options are \$540,000. The vesting period is three years (so the options fully vest at the end of 2022). On Jan. 1, 2023, employees exercised 90,000 options (90% of the options) that vested. On

that date, the market price of Ram Co. stock was \$7 per share:

- no entry on grant date
- Compensation expense each year \$540,000/3 = \$180,000
- On 1/1/23, The amount collected from the employees totaled \$450,000 or \$5 × 90,000 options
- \$450,000 = 90% of the \$540,000

Date	Cash (A)	=	Paid in Capital Options (E)	Common Stock Par Value (E)	Paid in Capital Stock (E)	R/E (E)	Inc. State. Caption
12/31/20			180,000			-180,000	Comp. exp.
12/31/21			180,000			-180,000	Comp. exp.
12/31/22			180,000			-180,000	Comp. exp.
1/1/23	450,000		-486,000	90,000	846,000		

E.g. On January 1, 2024, XYZ Corporation granted 10,000 stock options to its executives. Strike price: \$50 per share. The options vest over 4 yrs and have a fair value of \$15 per option on the grant date. XYZ uses the straight-line method to recognize compensation expense:

Transaction for the compensation expense related to the stock options for the year ended December 31, 2024:

APIC Stock Options (E)	R/E (E)
37,500	-37,500 (Options exp.)

37, 500 = 15 × 10, 000/4

Transaction for the exercise of all options in 2029 (after they vest). The employee pays cash when exercising. Par value of the stock is \$1. The market value of the stock is \$100

Cash	Common Stock	APIC Options	APIC Common Stock
500,000	10,000	-150,000	640,000

Earnings Per Share (EPS): = Net Income / Weighted Average Shares Outstanding. The amount of earnings for the period available to each share of common stock outstanding during the reporting period.

Impacts on Shareholder’s Equity::

- **As options vest over time:** As compensation expense is recognized each year, it reduces retained earnings. However, it increases APIC, offsetting the reduction in retained earnings. Over time, as options vest, the net impact on shareholder’s equity is **neutral until the options are exercised.**
- **Stock Issuance:** Increases both common stock and APIC, thus increasing total shareholders’ equity.
- **Stock Repurchase:** Increases treasury stock (a contra-equity account), which reduces total shareholders’ equity.